

Alamance County - I-40 Rest Areas

Contract:

LINE ITEMS

		1		
Line No.	Sec	DESCRIPTION	QTY	UNIT
1	SP	Mulch for Planting	200	СҮ
2	SP	Water for Planting	120	M/G
3	SP	Seeding and Mulching	2	ACR
4	SP	Temporary Construction Fence	1200	LF
5	SP	Pre emergence Herbicidal Treatment	1,800	SY
6	SP	Post emergence Herbicidal Treatment	1,800	SY
7	SP	Sodding	610	SY
8	SP	Topsoil	150	CY
9	SP	River Stone	3	TON
10	SP	Split Rail Fence	170	LF
11	SP	4" Concrete Sidewalk	200	SY
12	SP	Permeable Pavers	13,000	SF
13	SP	9" Concrete Border	10	СҮ
14	SP	Landscape Metal Edging	200	LF
15	SP	3" PVC Sleeve	200	LF
16	SP	SBL Stormwater Drainage System	1	LS
17	SP	NBL Stormwater Drainage System	1	LS
18	SP	SBL Water Feature	1	LS
19	SP	NBL Water Feature	1	LS
20	SP	SBL Landscape and Site Grading	1	LS
21	SP	NBL Landscape and Site Grading	1	LS
22	SP	Segmental Gravity Retaining Walls	300	SF
23	SP	MSE Retaining Walls	550	SF
24	SP	Picnic Table	2	EA
25	SP	Park Bench	9	EA
26	SP	SBL Site Demolition	1	LS
27	SP	NBL Site Demolition	1	LS
28	SP	Placement of Boulders	21	EA
29	SP	SBL Landscape Planting	1	LS
30	SP	NBL Landscape Planting	1	LS
31	SP	Relocate Newspaper Box	2	EA
32	SP	Ornamental Tree Lights	1	LS
33	235	Unclassified Excavation	500	сү
34	230	Borrow Excavation	300	сү
35	SP	Placement of Boulders	21	EA
36	1610	Sediment Control Stone	2	TON
37	1632	1/4" Hardware Cloth	200	LF
38	1605	Temporary Silt Fence	200	LF
39	SP	Tree Protection Fence	400	LF
40	SP	SBL Vending Building Construction	1	LS
41	SP	NBL Vending Building Construction	1	LS
42	SP	SBL Irrigation (ADD ALTERNATE)	1	LS
43	SP	NBL Irrigation (ADD ALTERNATE)	1	LS

Rest Area & Site Development

Roadside Environmental Unit

1557 MAIL SERVICE CENTER

RALEIGH, NORTH CAROLINA 27699-1557

OFFICE (919) 707-2920 FAX (919) 715-2554

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

ALAMANCE COUNTY

INTERSTATE REST AREA

Location: I-40, 1 Mile West of University Dr., near Elon, NC

Type of Work: Site Development Plans

LANDSCAPE PLANTS

SBL QTY.	NBL QTY.	UNIT	KEY	BOTANICAL NAME	COMMON NAME	FURNISH	REMARKS
				Trees			
0	1	EA	AS	Acer palmatum 'Sango Kaku'	Sango Kaku Japanese Maple	6-8', B&B/Cont	
4	1	EA	C	Cercis canadadesis 'Royal White'	Royal White Redbud	6-8', B&B	
					Cherokee Chief Flowering		
2	0	EA	CF	Cornus florida 'Cherokee Chief'	Dogwood	6-8', B&B	
0	2	EA	IN	Ilex x 'Nellie R Stevens'	Nellie R Stevens Holly	6-8', B&B	
5	6	EA	PK	Prunus serrulata 'Kwanzan'	Kwanzan Cherry	8-10', 1.5 - 1.75" cal. B&B	
3	2	EA	QS	Quercus shumardii	Shumard Oak	16-18', 4" cal. B&B	
				Shrubs			
					Autumn Carnation (Encore)		
37	8	EA	AA	Azalea x 'Roblec'	Azalea	#3 Cont	
25	16	EA	AD	Abelia grandiflora 'Rose Creek'	Rose Creek Abelia	#3 Cont	
0	4	EA	CD	Caryopteris x clandonensis 'Dark Knight'	Dark Knight Bluebeard	#3 Cont	3 1/2" O.C.
38	8	EA	CH	Cephalotaxus harringtonia 'Prostrata'	Spreading Japanese Yew	#3 Cont	3' O.C.
· =				,	Winter's Charm Hardy	.	
7	4	EA	CS	Camellia x 'Winter's Charm'	Camellia	#3 Cont	3' O.C.
3	8	EA	DO	Daphne odora 'Aureo-marginata'	Variegated Winter Daphne	#3 Cont	3' O.C.
11	10	EA	IC	Ilex crenata 'Compacta'	Compact Japanese Holly	#3 Cont	3' O.C.
					Dwarf Japanese Garden		
12	14	EA	JC	Juniperus procumbens 'Nana'	Juniper	#1 Cont	3' O.C.
4	2	EA	JS	Juniperus chinensis 'Spartan'	Spartan Juniper	#7 Cont	4' O.C.
2	2	EA	LC	Loropetalum chinense 'Blush'	Blush Loropetalum	#7 Cont	Tree Form
48	16	EA	NG	Nandina domestica 'Gulf Stream'	Gulf Stream Nandina	#3 Cont	3' O.C.
12	6	EA	RR	Rosa x 'Radko'	Double Knockout Red Rose	#3 Cont	3' O.C.
				Grasses			
29	10	EA	JE	Juncus effusus	Soft Rush	#1 Cont	
251	171	EA	LB	Liriope muscari 'Big Blue'	Big Blue Liriope	#1 Cont	12" O.C.
0	59	EA	LV	Liriope muscari 'Variegata"	Variegated Liriope	#1 Cont	12" O.C.
9	16	EA	MC	Muhlenbergia capillaris	Pink Muhly Grass	#1 Cont	12" O.C.
0	118	EA	OJ	Ophiopogon japonicus	Mondo Grass	#1 Cont	12" O.C.
32	23	EA	PS	Panicum virgatum 'Squaw'	Squaw Switch Grass	#3 Cont	
				Perennials			
21		ГЛ	25	Delega a superior	Handy Isa Dia:: 6	#1 С	1211.0.6
21	0	EA	DC	Delosperma cooperi	Hardy Ice Plant	#1 Cont	12" O.C.
12	7	EA	EK	Echinacea purpurea 'Kim's Knee High'	Kim's Knee Hign Coneflower	#1 Cont	18" O.C.
45	0	EA	НО	Hemerocallis 'Orange Crush'	Orange Crush Daylily	#1 Cont	2' O.C.
		EA	RG	Rudbeckia fulgida 'Goldsturm''	Goldsturm Black-eyed Susan	#1 Cont	12" O.C.
6	14			,	, Diadit Cyca Dasaii		
6 0	14 9	EA	SA	Sedum spectabile 'Autumn Joy'	Autumn Joy Sedum	#1 Cont	2' O.C.

3.55	WHY CARO	la,
	CAROL NOSCAOL	
* ROO	1447 §	*
	Muşigned by:	HIHIT
Bol	b kopetsky	

Plans Drawn By:

KOPETSKY

Scale

1/a

Date

3 / 5 / 15

Letting Date

2012 Standard Specification

Sheet Description

Site Development

Title Sheet

Sheet #

LT-01

1557 MAIL SERVICE CENTER RALEIGH, NORTH CAROLINA 27699-1557 OFFICE (919) 707-2920 FAX (919) 715-2554

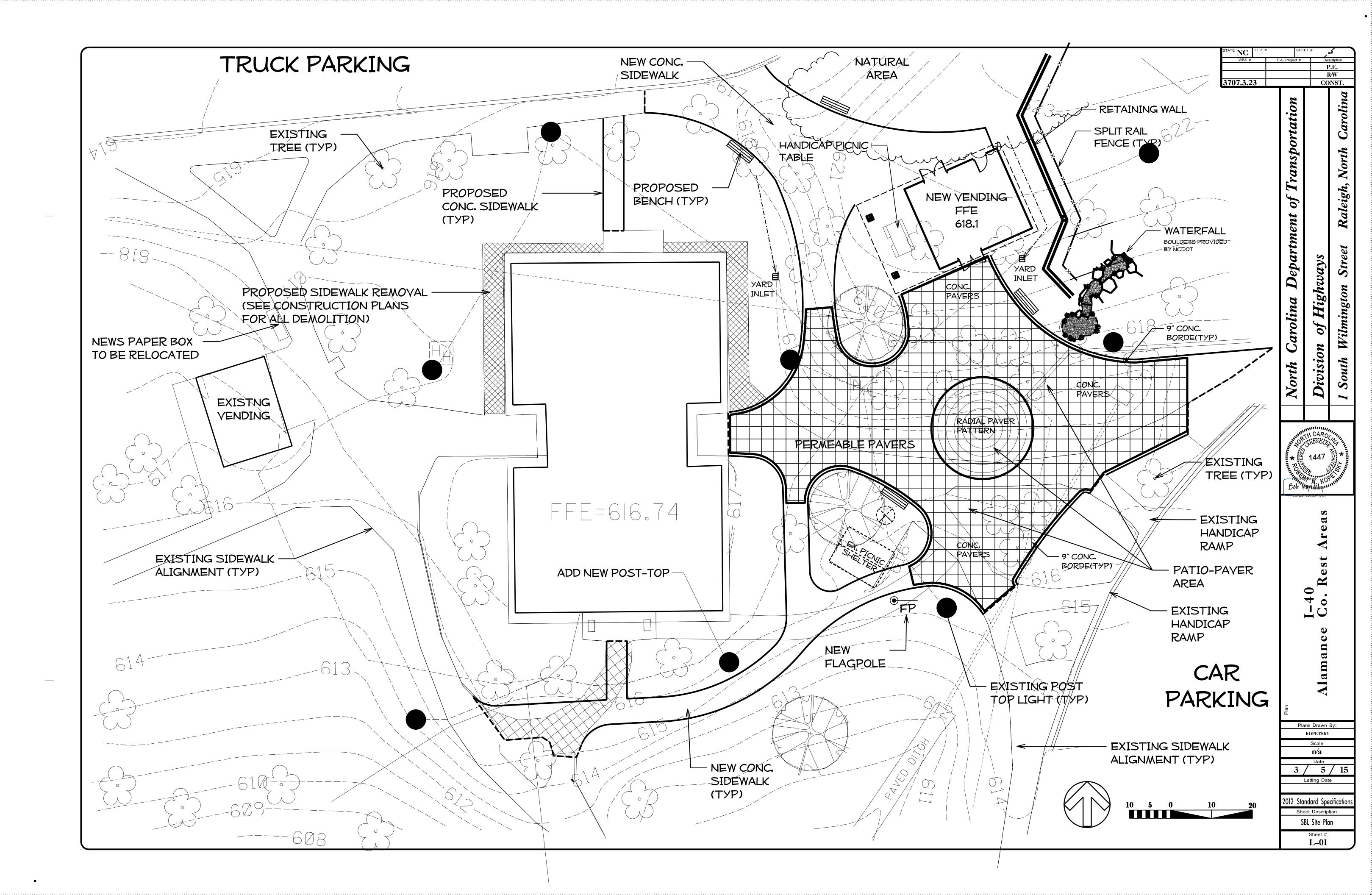
Landscape Architectural Design

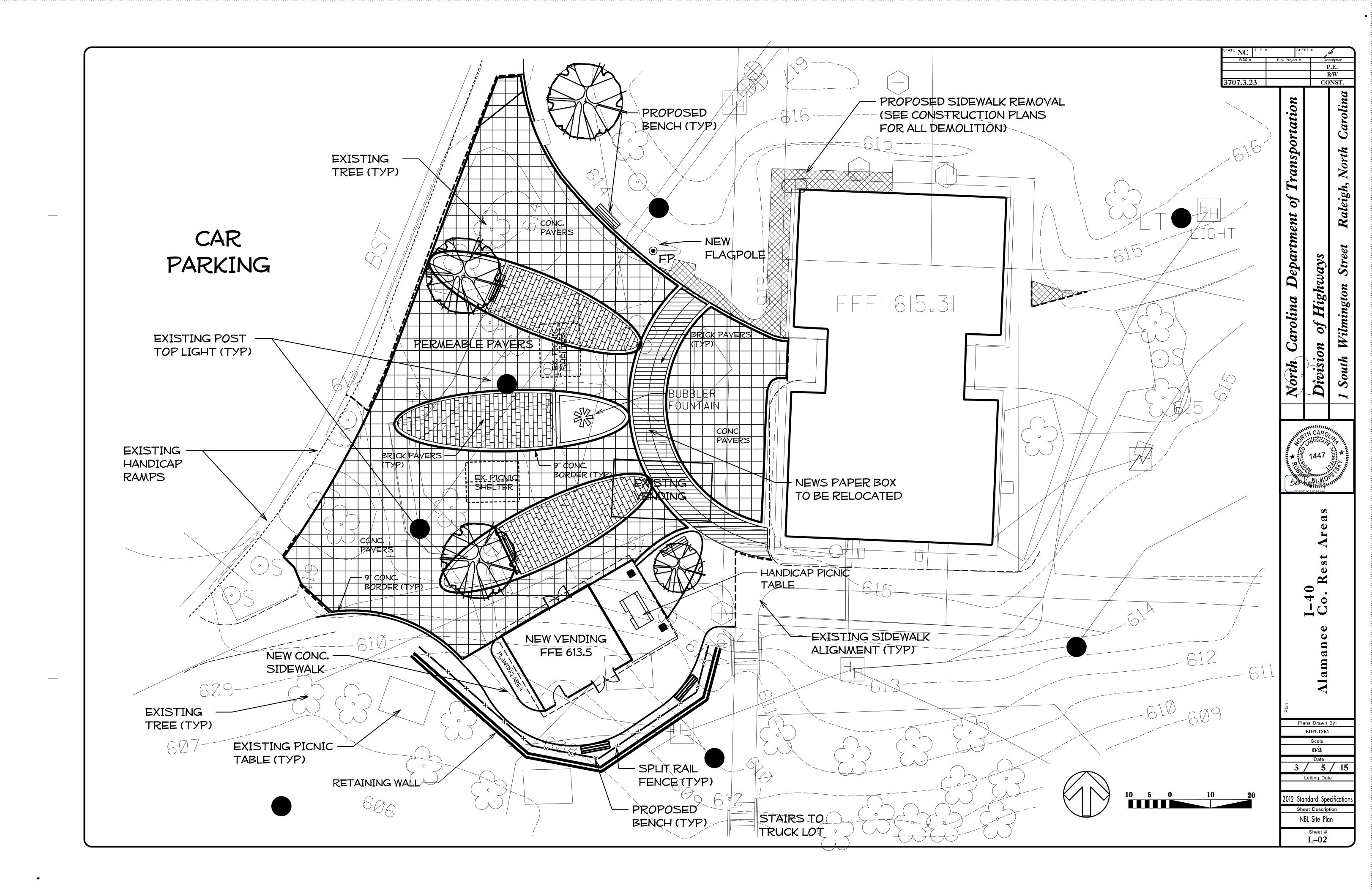
REU Aesthetic Engineering Section

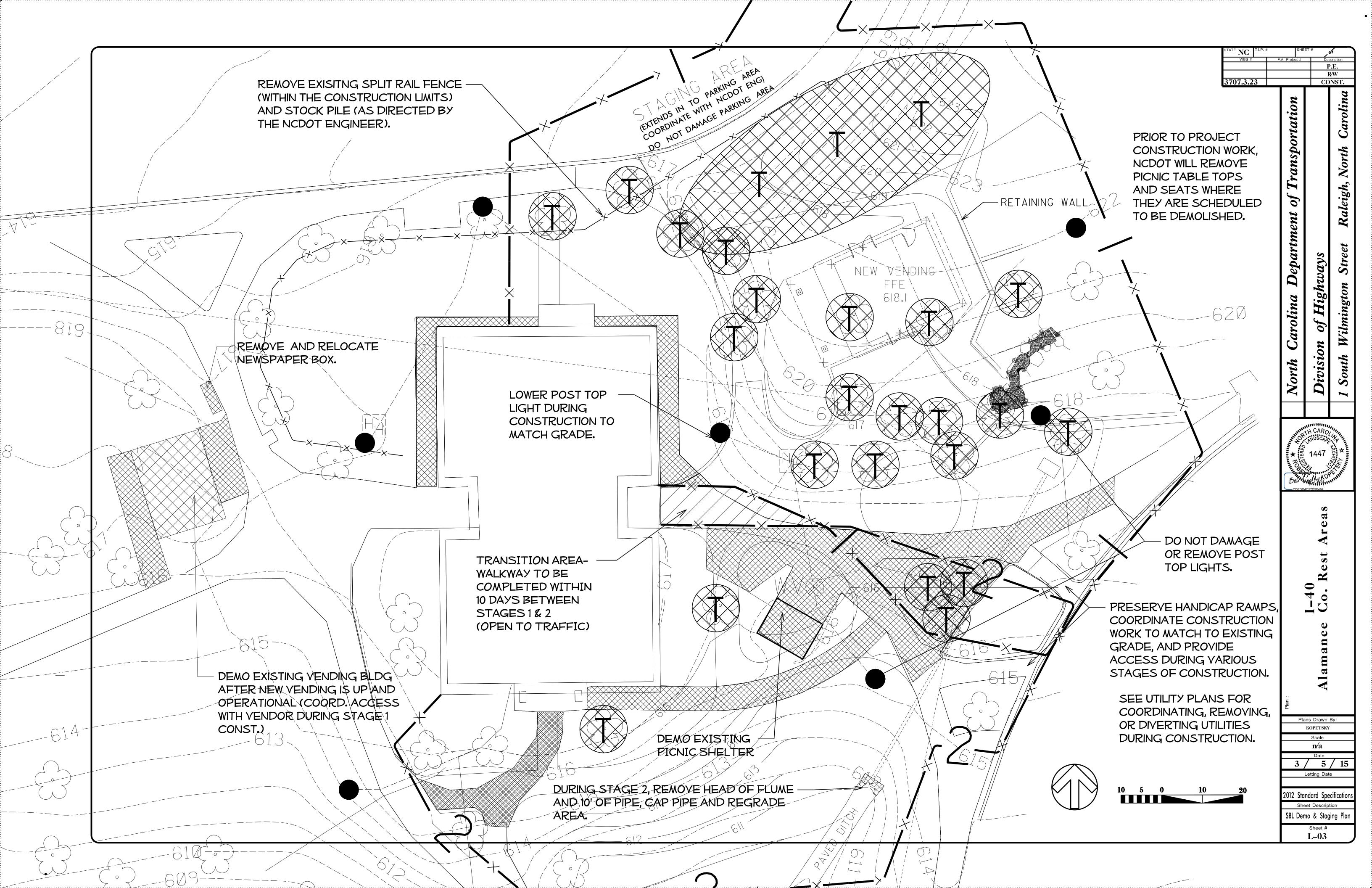
reas

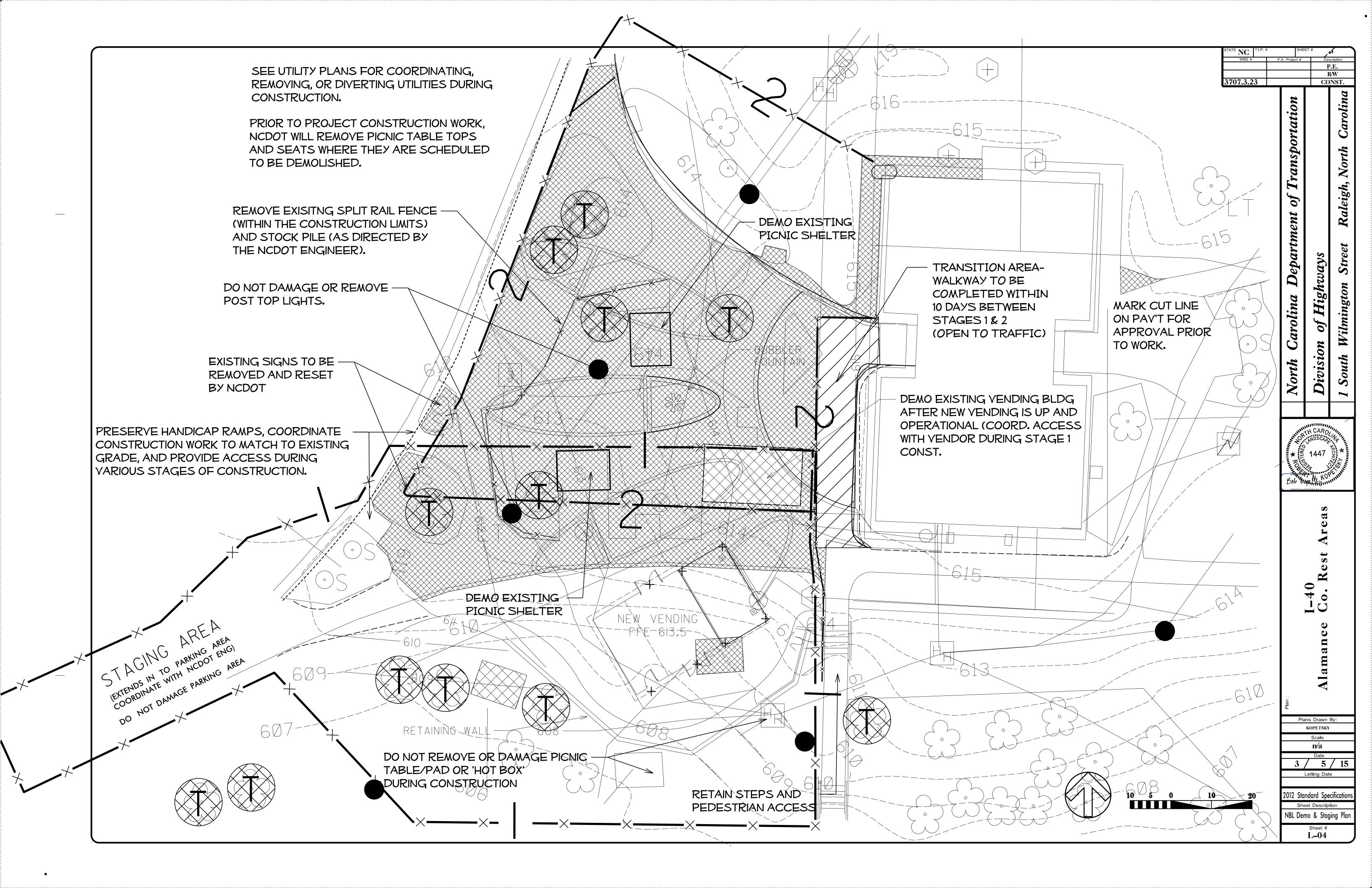
40 o. Rest Areas

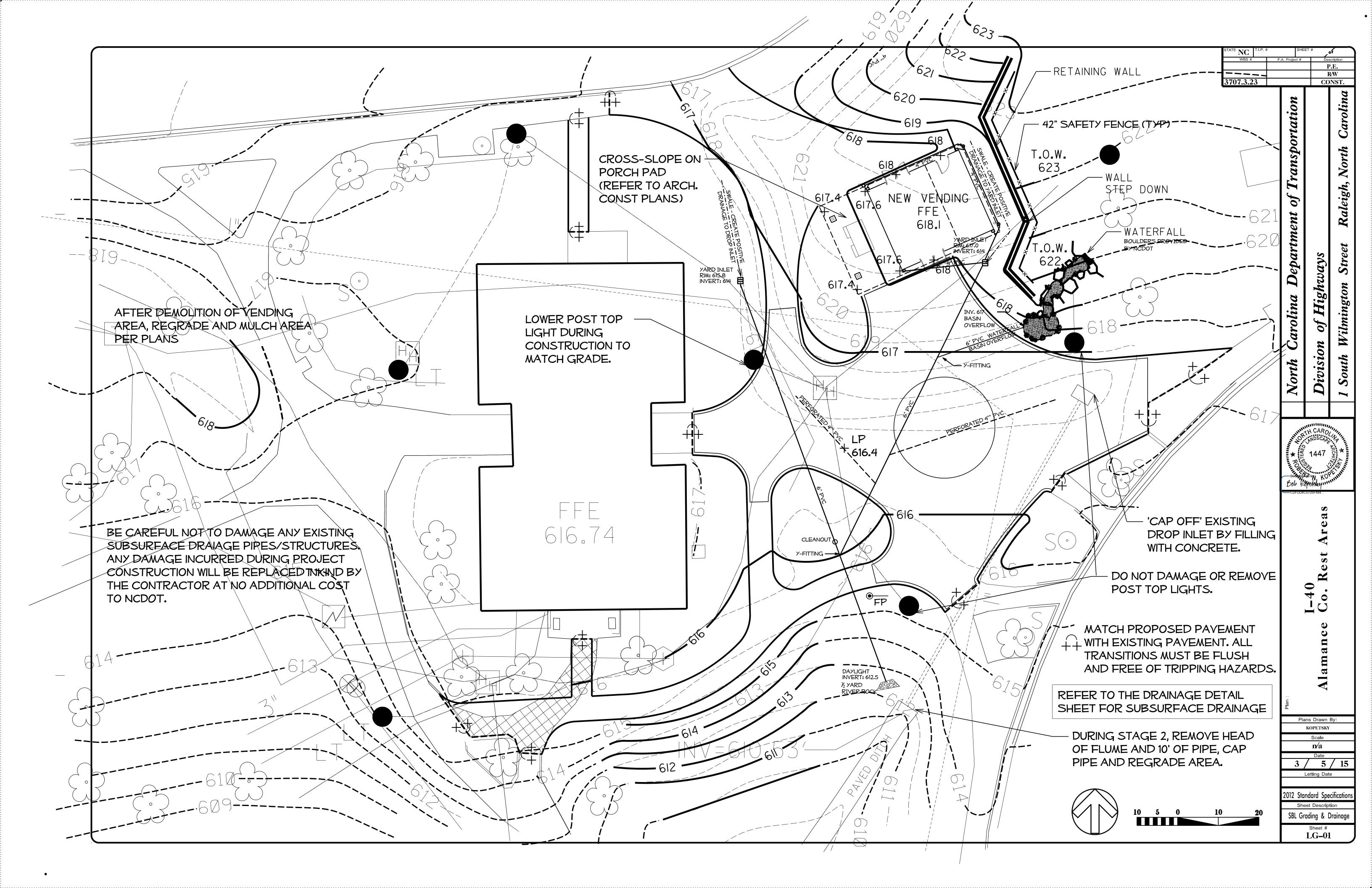
I-40 amance Co. F

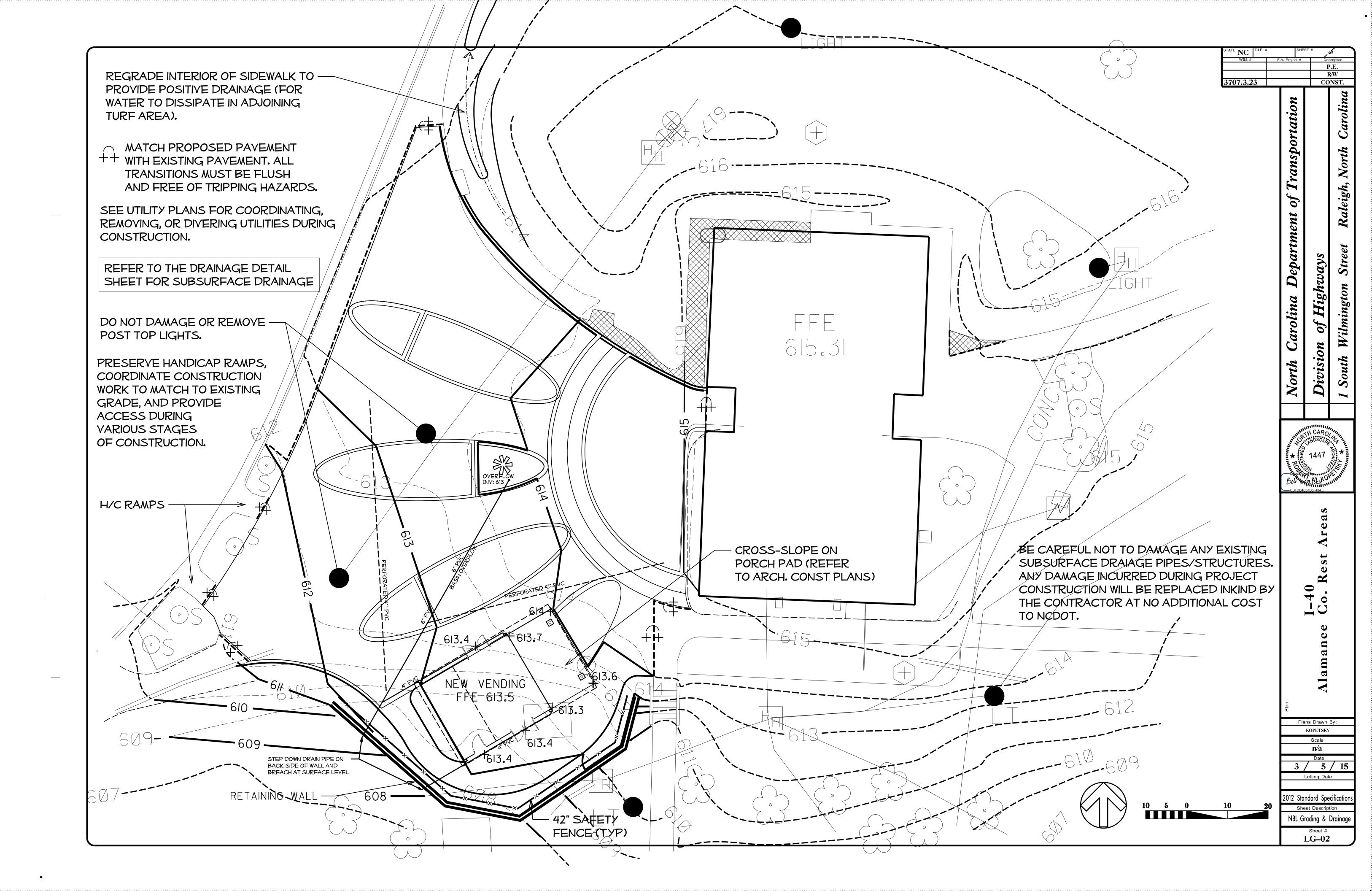


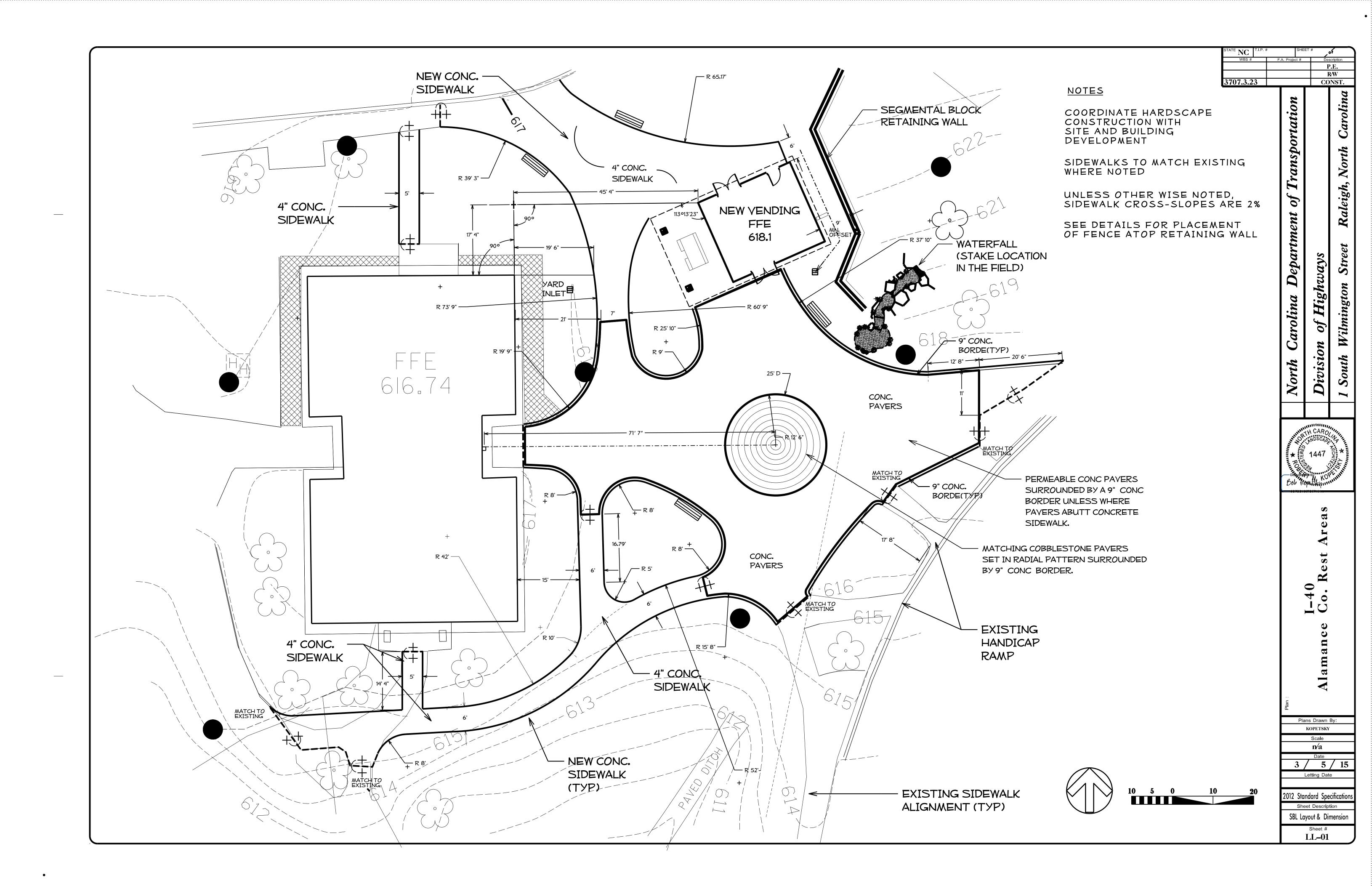


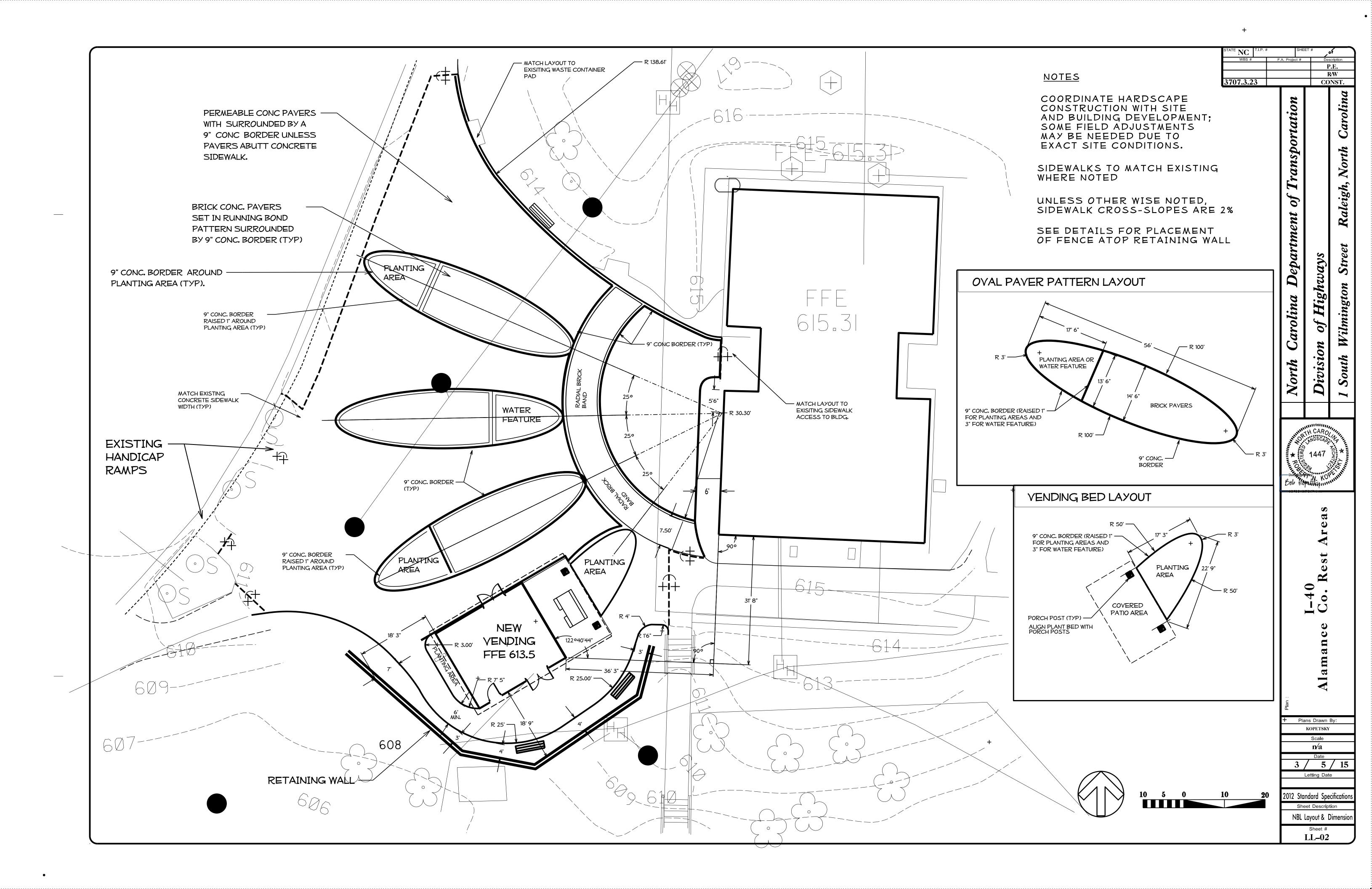


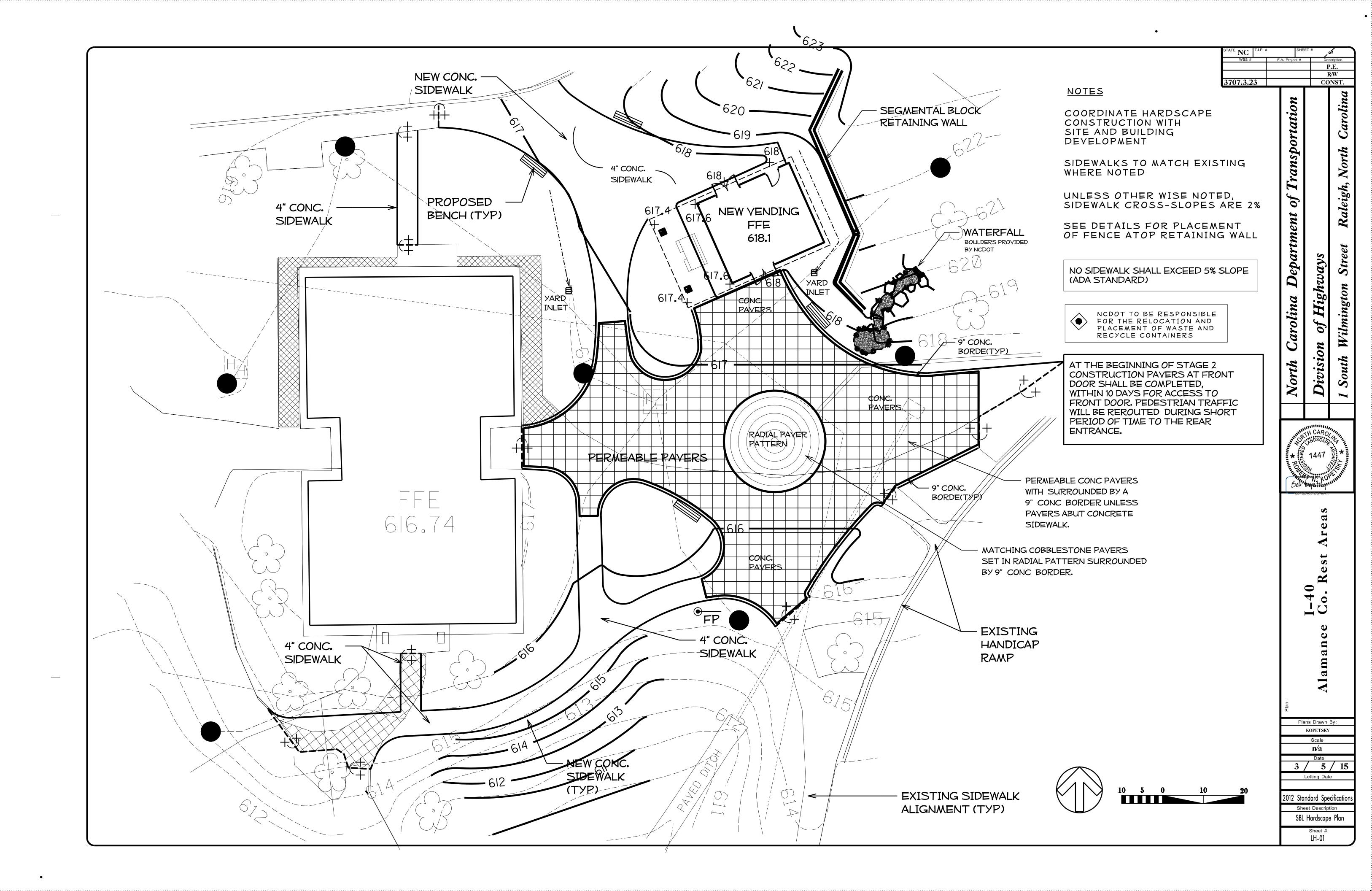


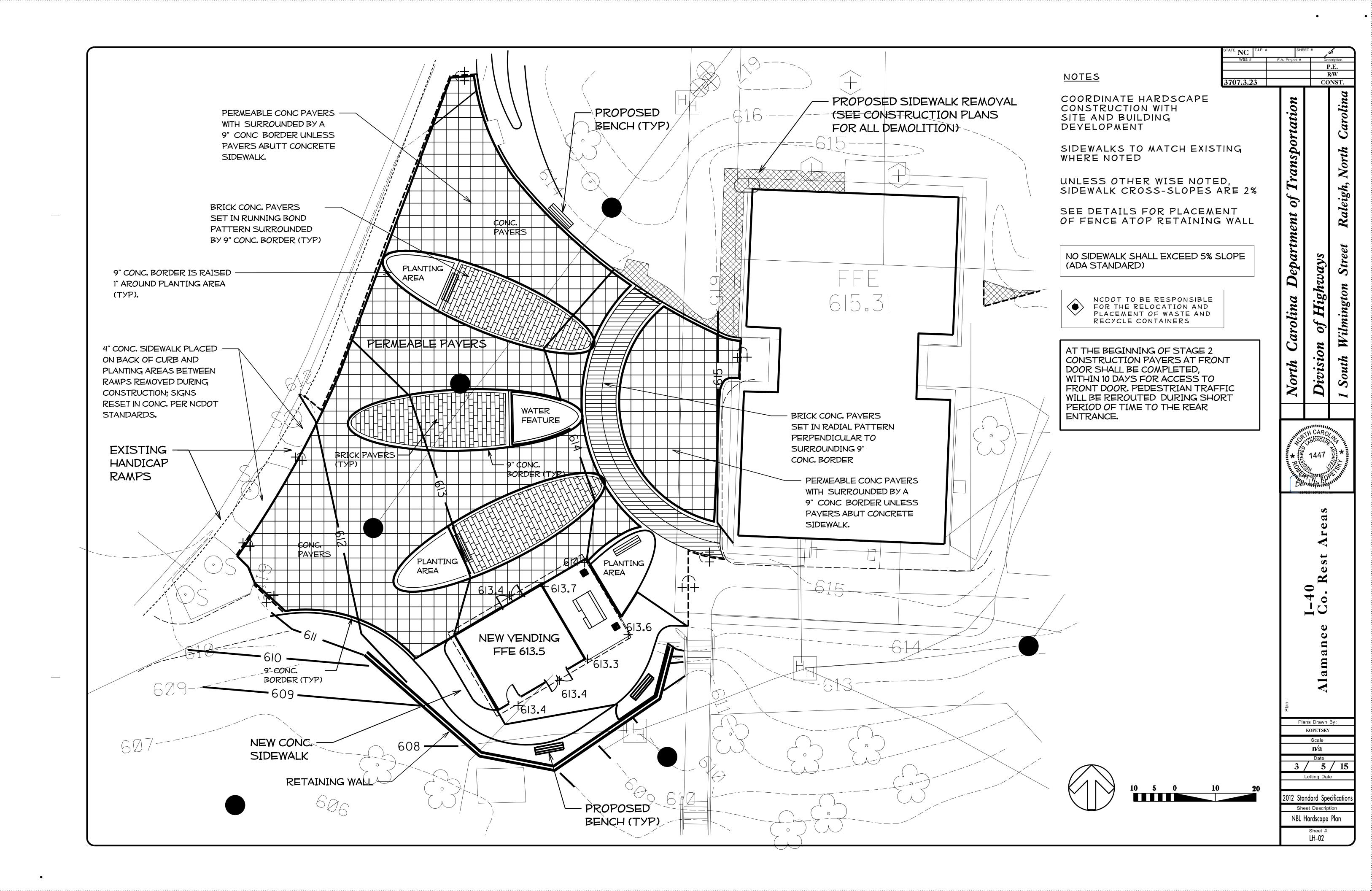


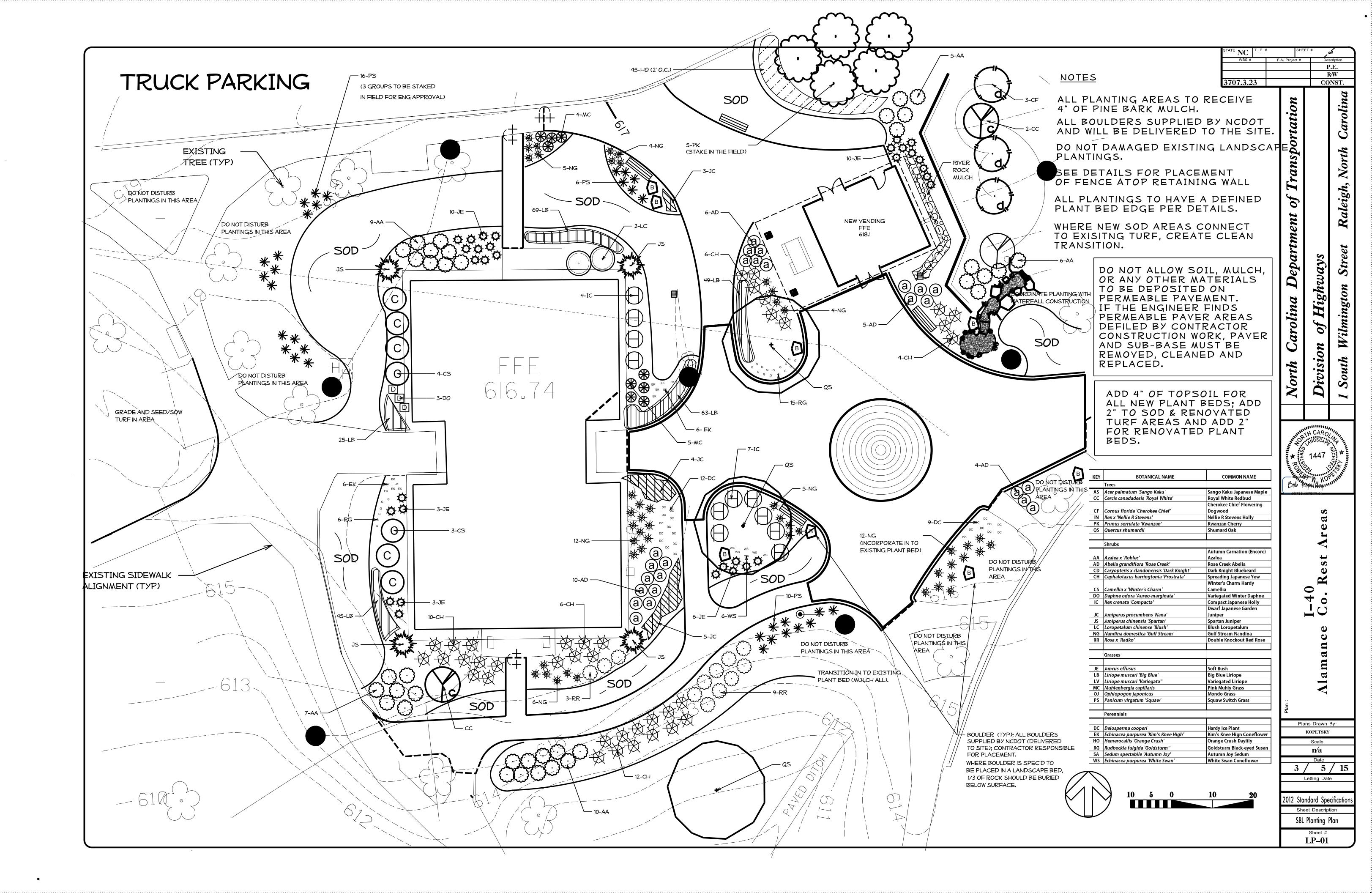


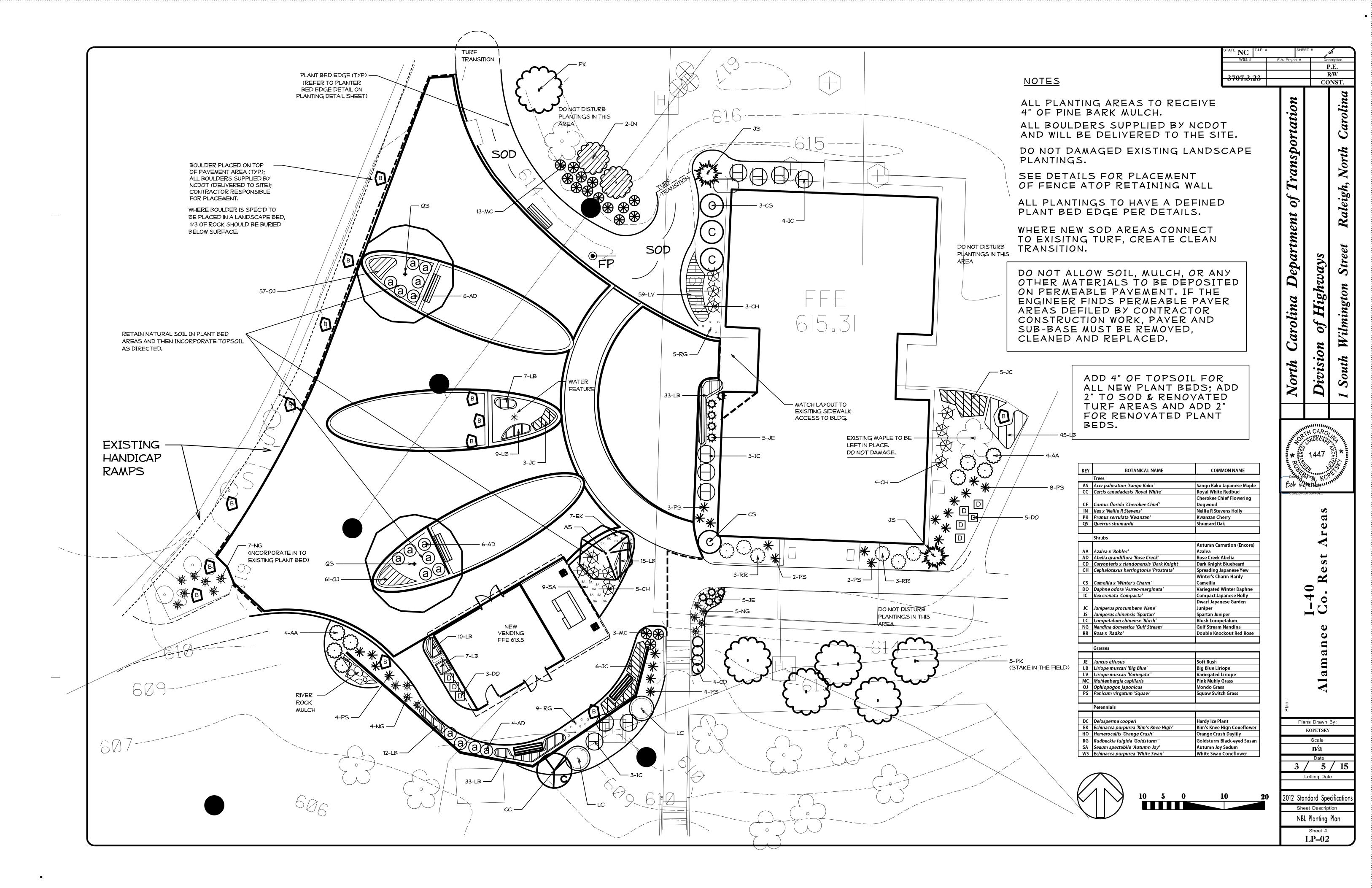


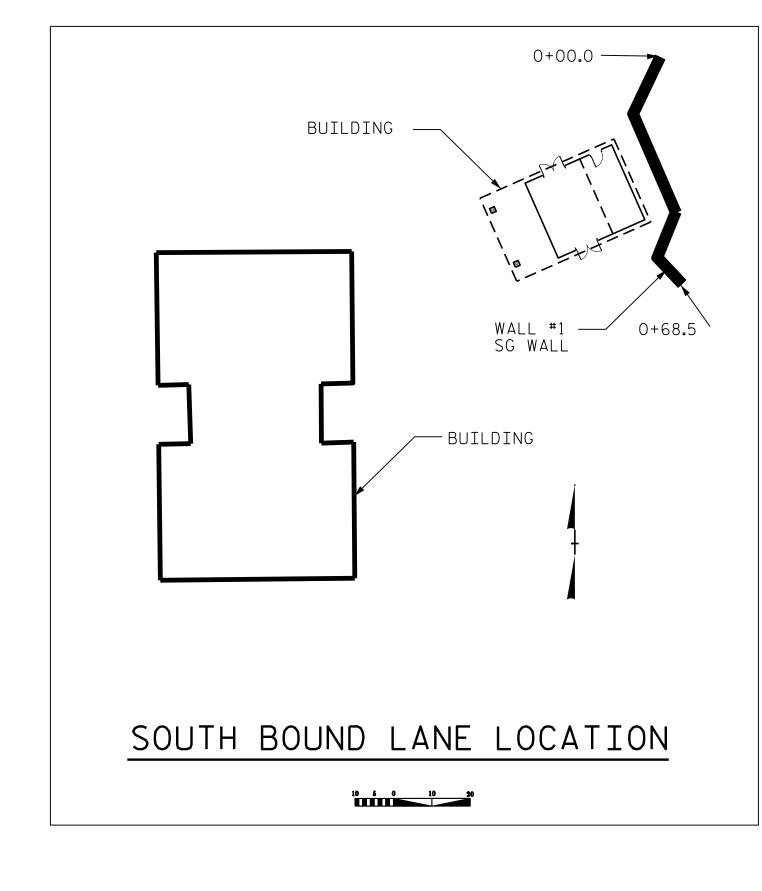


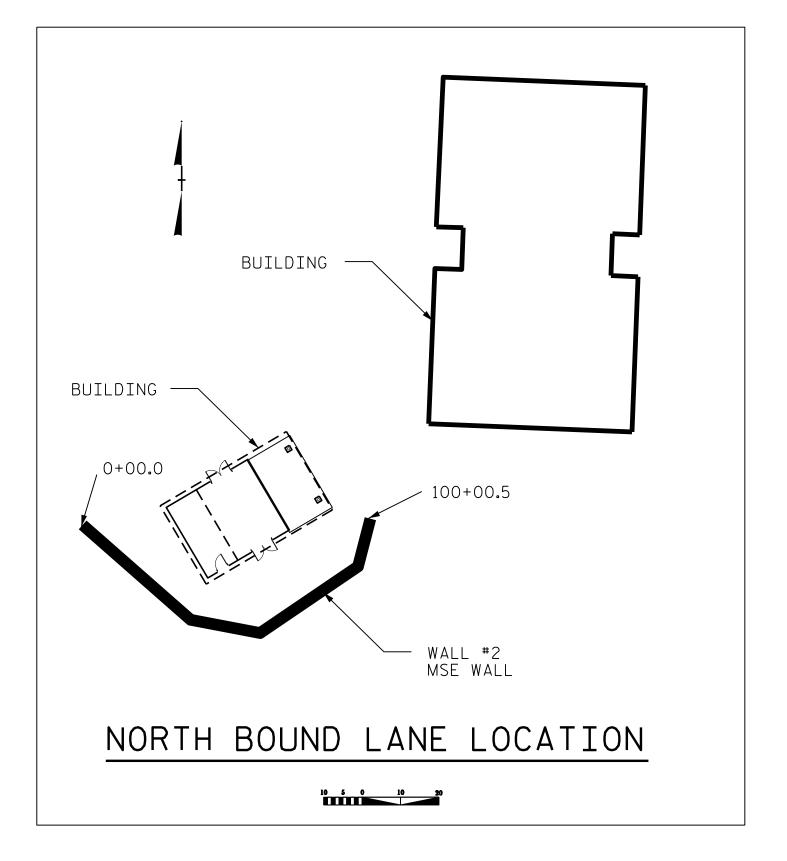


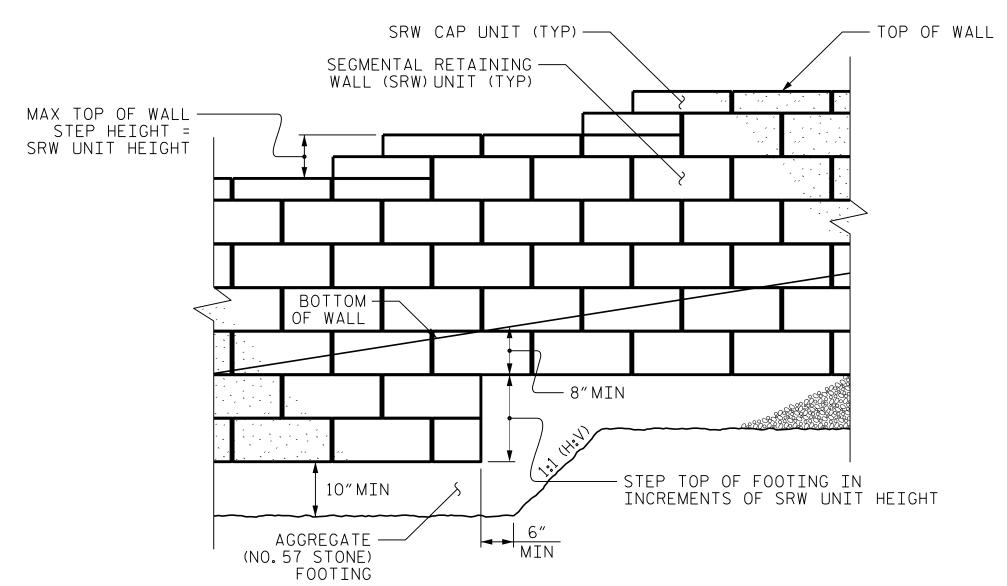




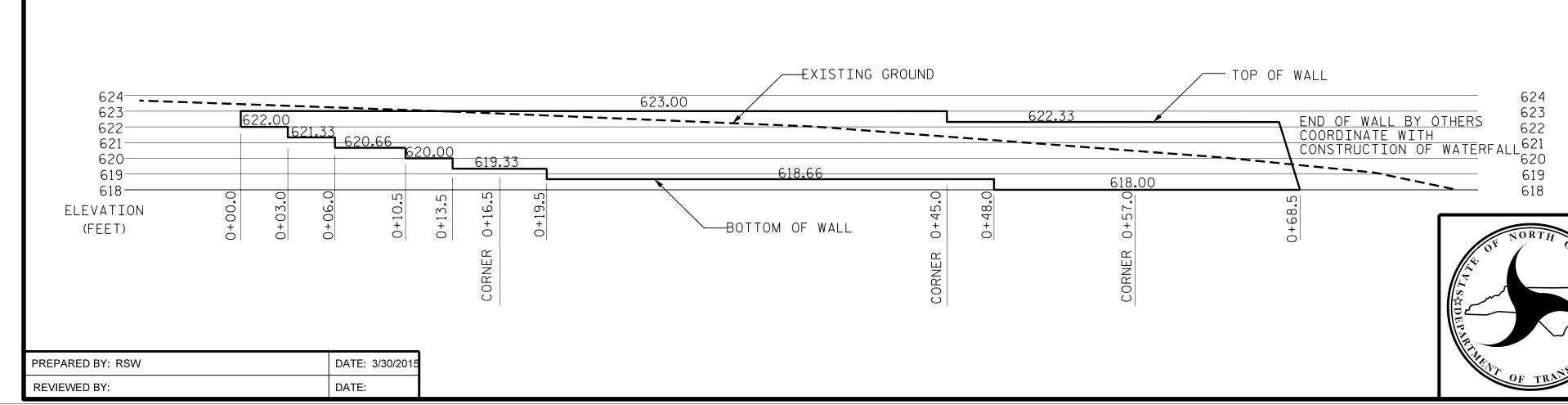


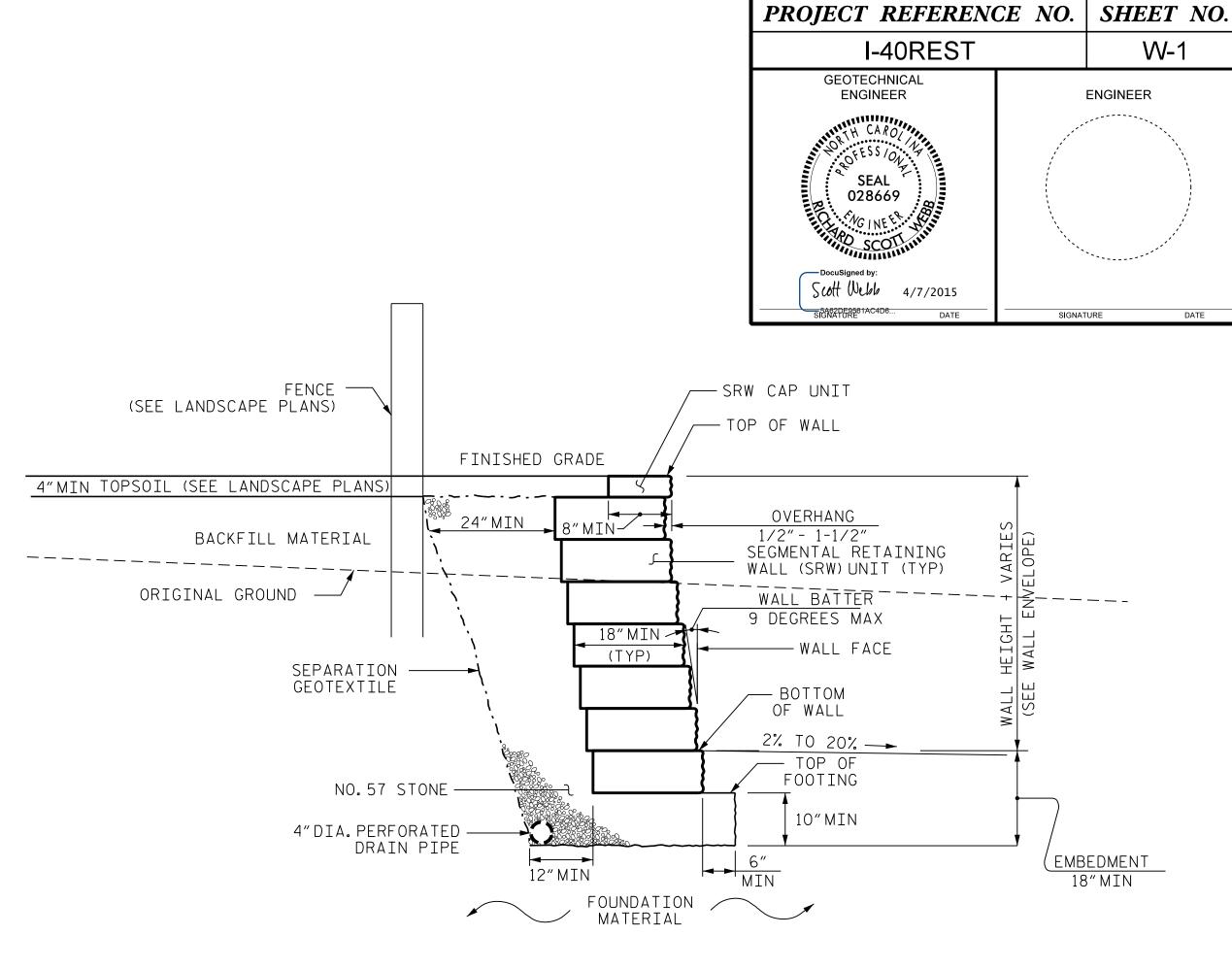






SEGMENTAL GRAVITY & MSE WALLS - TYPICAL ELEVATION





SEGMENTAL GRAVITY WALL (WALL #1)- TYPICAL SECTION

NOTES:

FOR SEGMENTAL GRAVITY RETAINING WALLS, SEE SEGMENTAL GRAVITY RETAINING WALLS PROVISION.

DO NOT PLACE NO.57 STONE FOR FOOTINGS FOR RETAINING WALL NO.1 UNTIL EXCAVATION DIMENSIONS AND FOUNDATION MATERIAL ARE APPROVED.

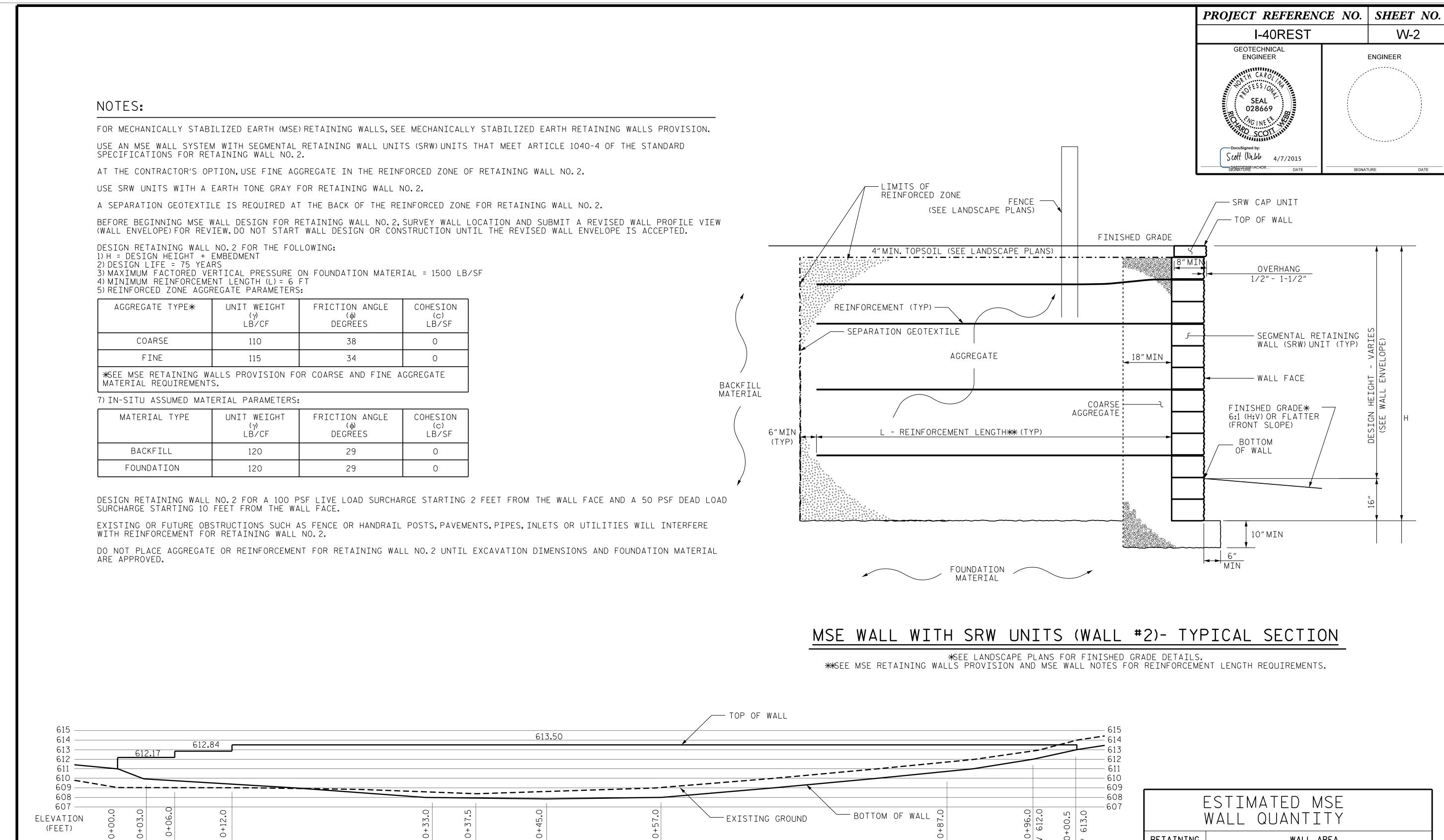
USE SRW UNITS WITH A EARTH TONE GRAY COLOR FOR RETAINING WALL NO.1.

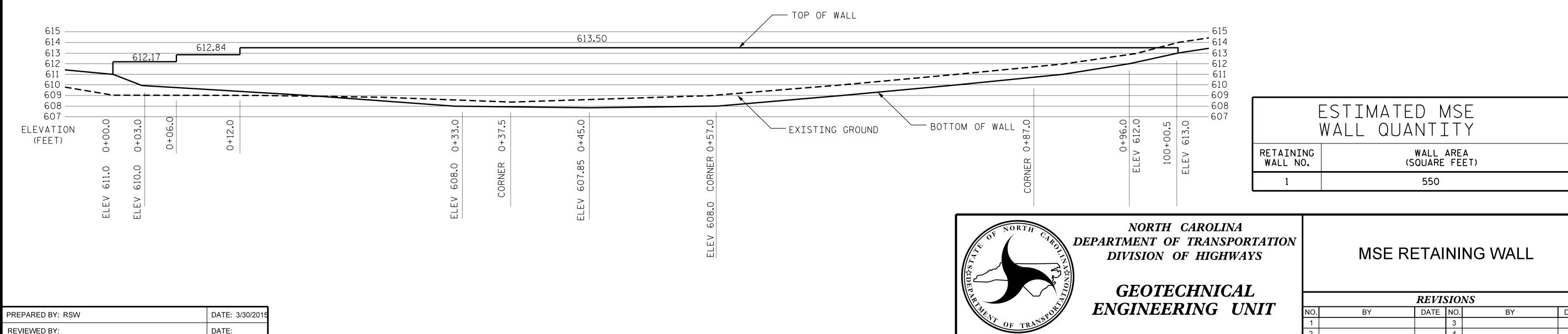
ESTIMA	ATED SEGMENTAL GRAVITY WALL QUANTITY
RETAINING WALL NO.	WALL AREA (SQUARE FEET)
1	300

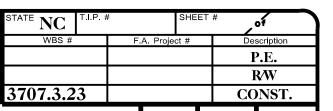
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

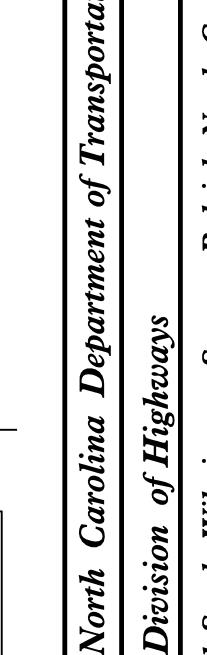
GEOTECHNICAL ENGINEERING UNIT SEGMENTAL GRAVITY WALL

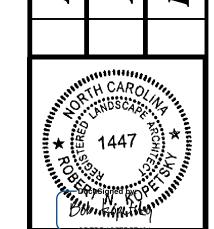
REVISIONS							
BY	DATE	NO.	BY	DATE			
		3					
		4					











Plans Drawn By: KOPETSKY Scale

n⁄a 3 / 5 / 15 Letting Date

2012 Standard Specification Sheet Description

Pavement Details Sheet #

LD-01

PAVERS TO MATCH GRADE OF ADJACENT PAVEMENT SAND SWEPT JOINTS -— 1" BEDDING SAND CONCRETE PAVERS, 3 1/8" THICK — COMPACTED AGGREGATE BASE, 4" DEPTH SNAP EDGE PAVER EDGE -RESTRAINT ANCHORED W/8" OR 10" SPIKE PAVER STONE -MORTARLESS -PAY'T SYSTEM; PATTERN AS SPECIFIED - GEOTEXTILE FABRIC 9" CONC (BAND (EXP. JTS. 10' O.C.) KOMPAGTED SOIL SUBGRADE OR EDGING AS NOTED ON PLANS CONC PAYER DETAIL A TYPICAL PAYER PATTERN NTS WHERE CONC SIDEWALK OR PAYERS COME TO A POINT MIN. 9" WIDTH OR FULL WIDTH NTS OF PAYER

3/6" - 1/8" PERMEABLE PAVER -

PERMEABLE CONC PAVER DETAIL A

NTS

- MIN 4" PERFORATED PIPES (IN SOCK) SPACED AND SLOPED TO DRAIN ALL STORMWATER

NTS

PERMEABLE CONC PAYER DETAIL B

GRANITE JOINTING GRIT

CONCRETE PAVERS, 3 1/8" THICK

MIN. 4" THICK # 57 STONE OPEN- GRADED BASE

OUTFALL PIPE(S) SLOPED TO CATCH BASIN

MIN. 6" THICK #2 STONE SUBBASE

ENCLOSED OBSERVATION PIPE (NON PERFORATED); SPACE 25' O.C.; RISER SET IN PLANT BED & FLUSH WITH GRADE.

9" CONCRETE BORDER -

CONCRETE PAVERS, 3 1/8" THICK -

METAL SNAP PAYER EDGE RESTRAINT W/ 10" ANCHOR/SPIKE APPROPRIATE FOR USE IN AGGREGATE

(USE CONCRETE BORDER WHEN

MIN. 4" THICK # 57 STONE OPEN- GRADED BASE

SPECIFIED)

MIN. 6" THICK #2 STONE SUBBASE

11/2" - 2" THICK #8 BEDDING COARSE

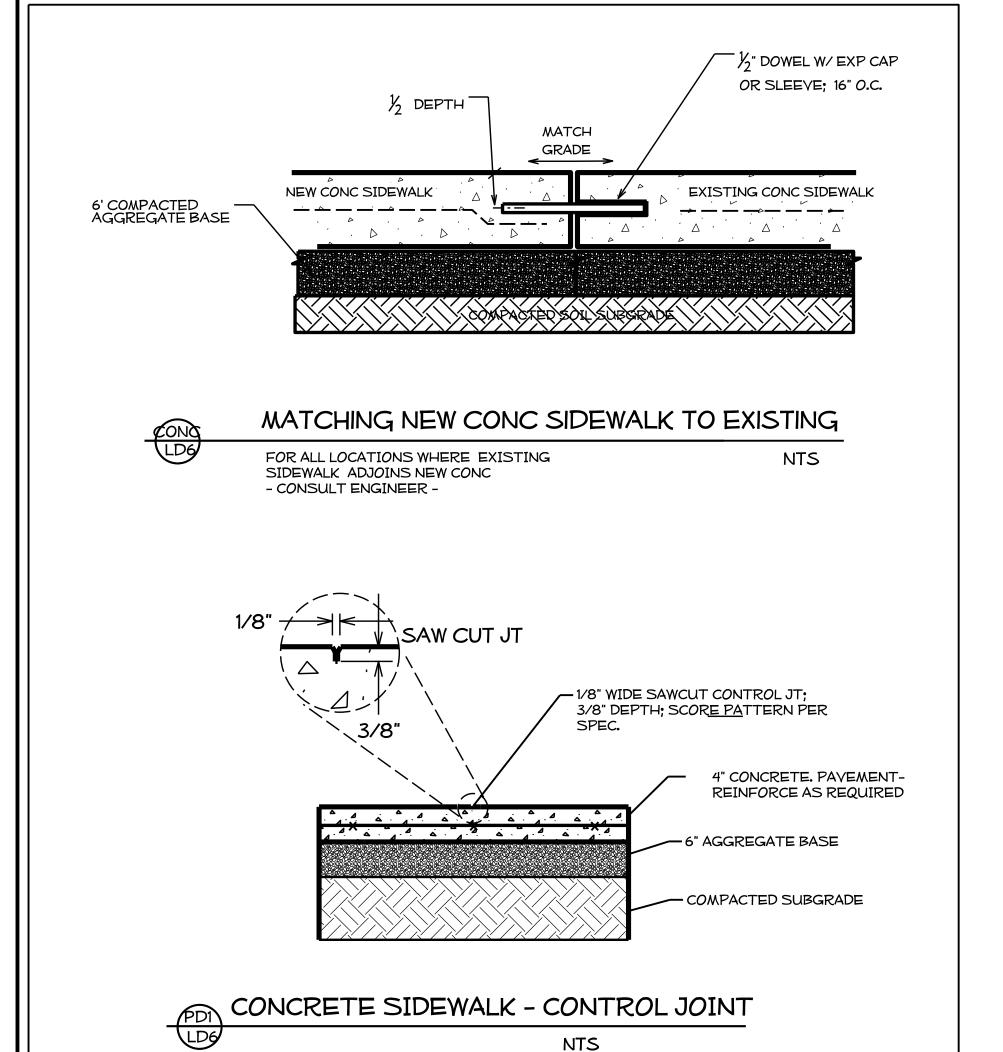
 $\frac{3}{16}$ " - $\frac{1}{8}$ " PERMEABLE PAVER

11/2" - 2" THICK #8 BEDDING COARSE

GEOTEXTILE FABRIC

SOIL SUBGRADE SLOPED TO DRAIN

GRANITE JOINTING GRIT



GENERAL NOTES:

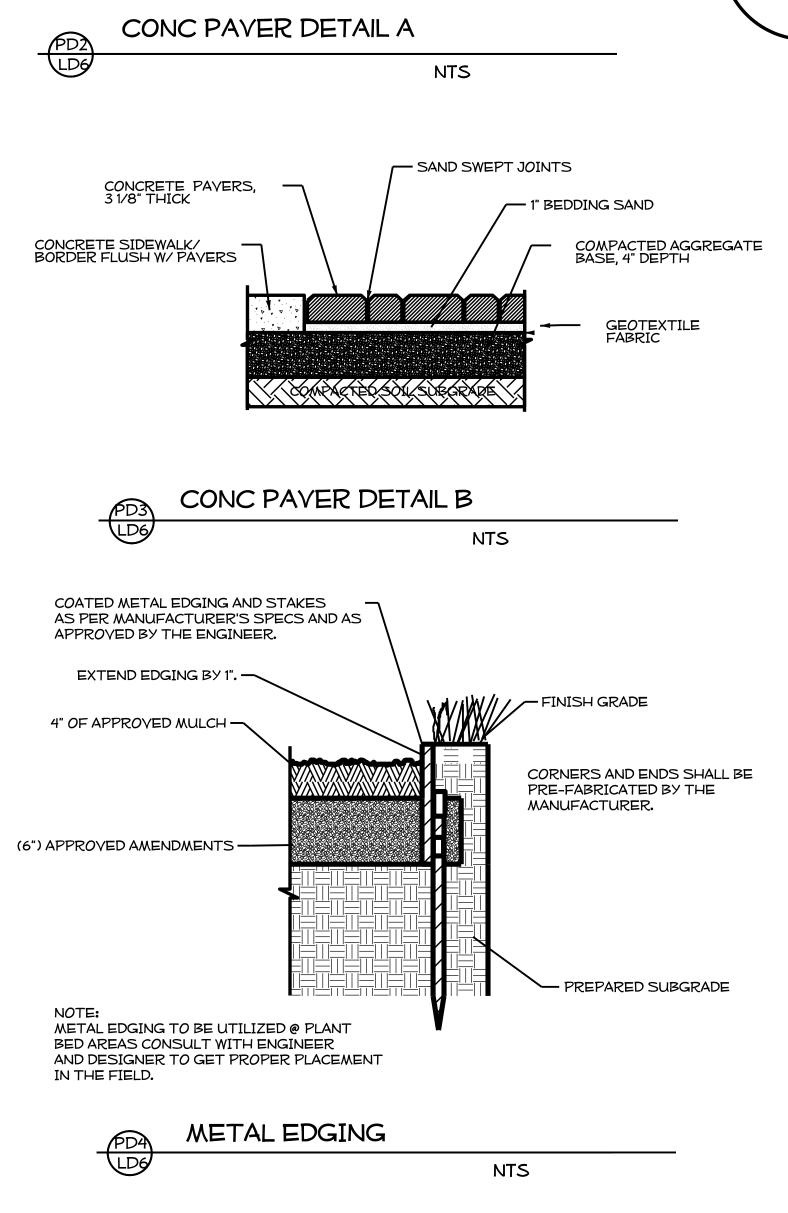
1) STANDARD 4" THICK CONCRETE SIDEWALK TO BE INSTALLED AS NOTED ON PLANS; CONTROL JOINT EVERY 5' (OR SAME DIMENSION AS SIDEWALK WIDTH) AND EXPANSION JOINT EVERY 30' (AND WHERE THE SIDEWALK ADJOINS ANOTHER HARD SURFACE).

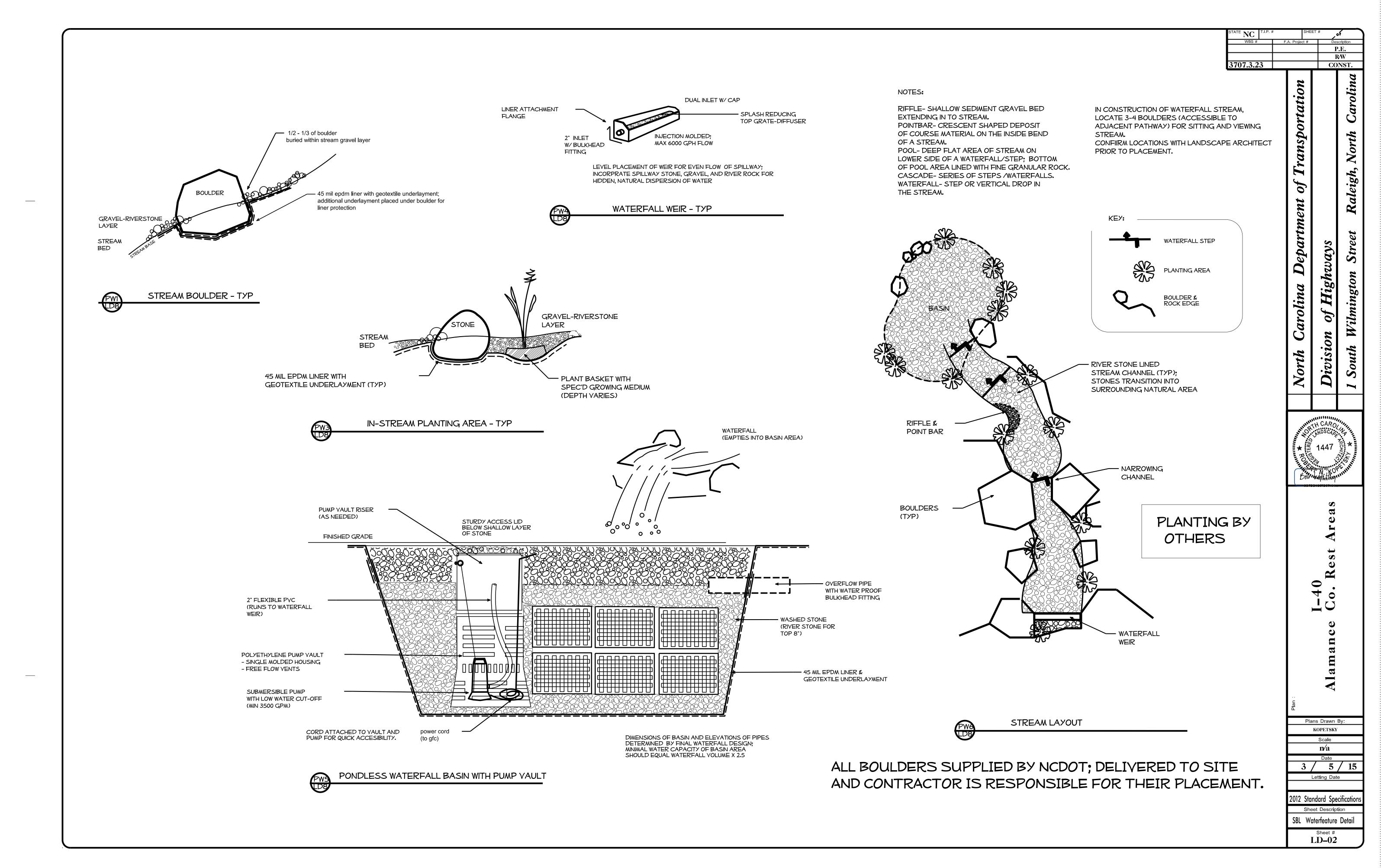
- 2) CONCRETE PAYER BORDER AS SHOWN ON PLANS:
- 9" CAST IN PLACE CURB OR
- METAL RESTRAINT AS SPEC'D.

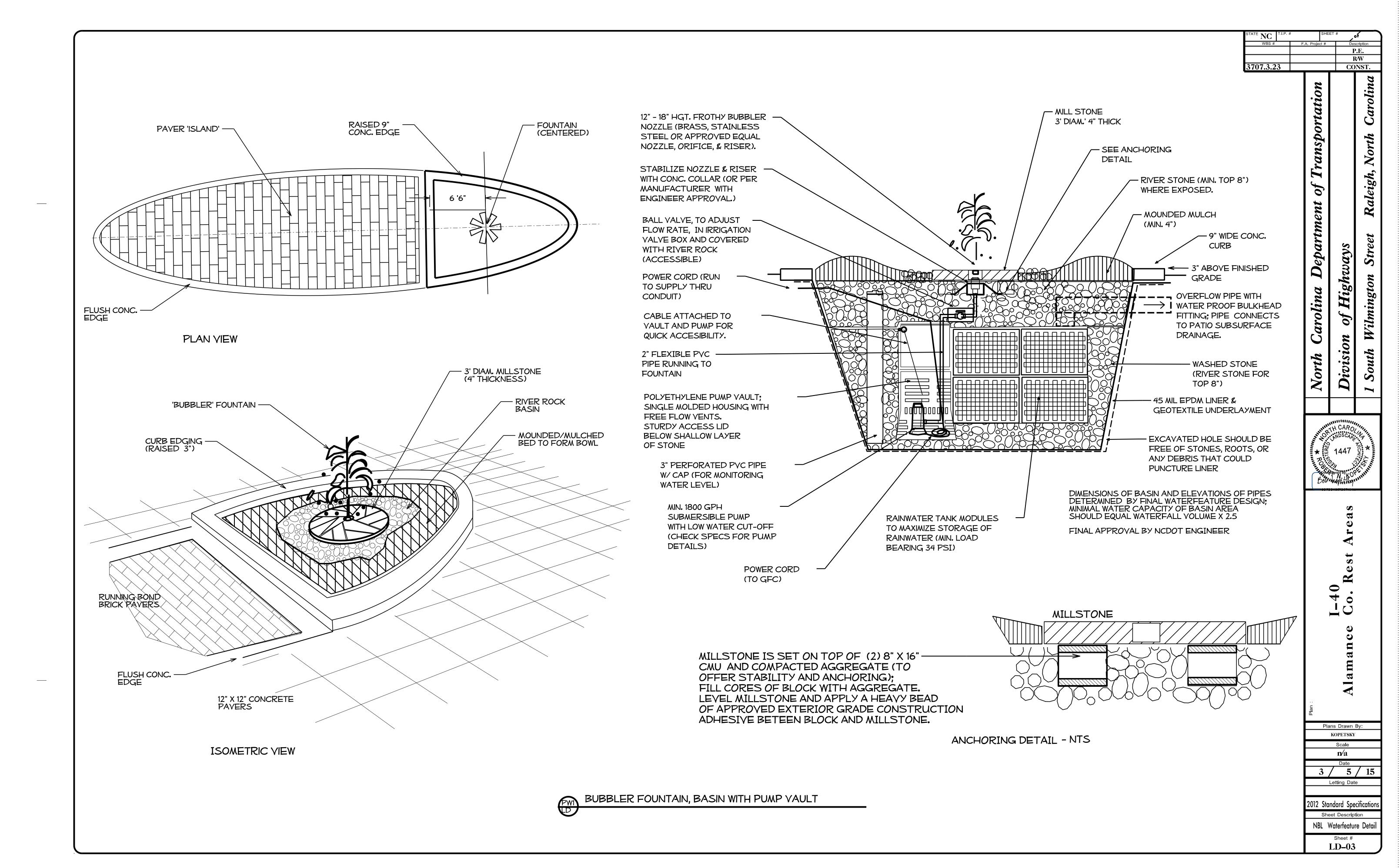
3) PAVER PATTERN, COLOR, AND DIMENSIONS AS DEFINED IN PLANS, DETAILS, OR SPECIFICATIONS.

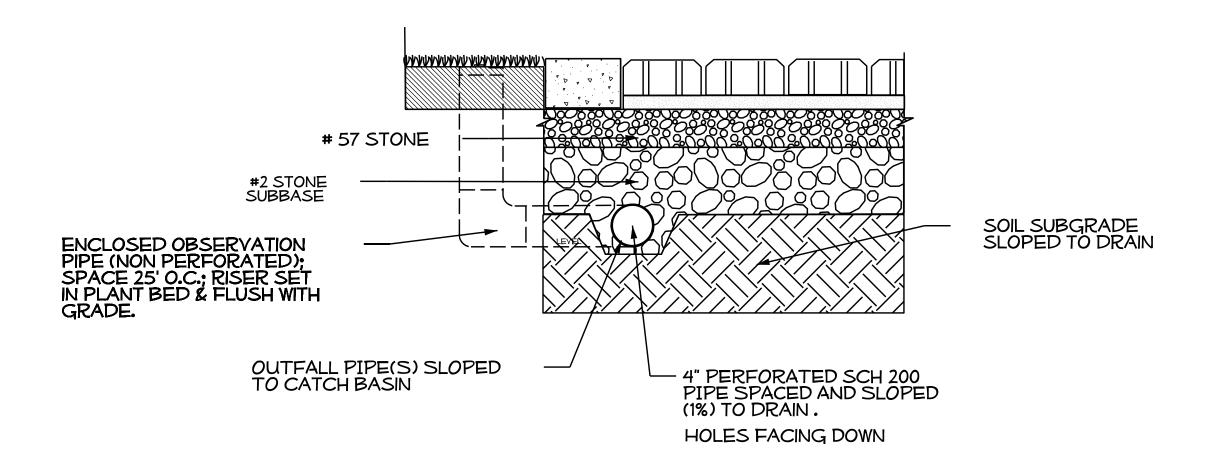
4) ALL HARDSCAPE SURFACES SHALL BE GRADED PROPERLY TO DRAIN TO DESIGNATED LANDSCAPE AREAS OR DROP INLETS.

5) WHERE PERMEABLE PAVERS ARE INSTALLED, COMPLETE CONTROL OF CONSTRUCTION PRACTICES ARE VITAL. NO DEBRI, SOIL, OR UNSPECIFIED MATERIAL SHALL COME IN TO CONTACT (OR BE LAYED UPON) THE COMPLETED SURFACE OR COMPROMISE INSTALLED DRAINAGE LAYERS.

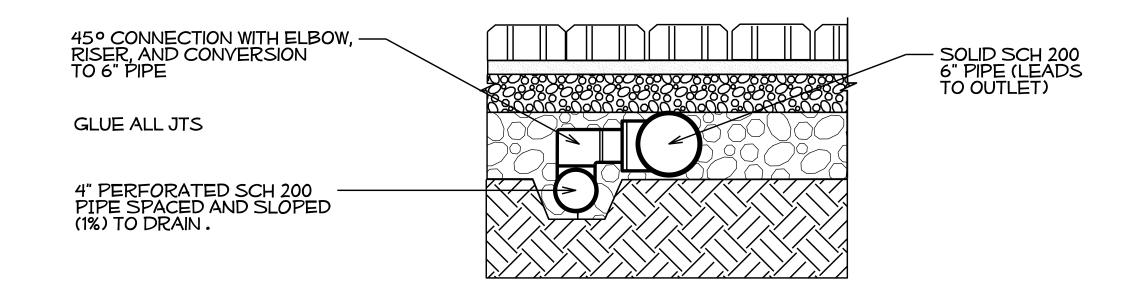




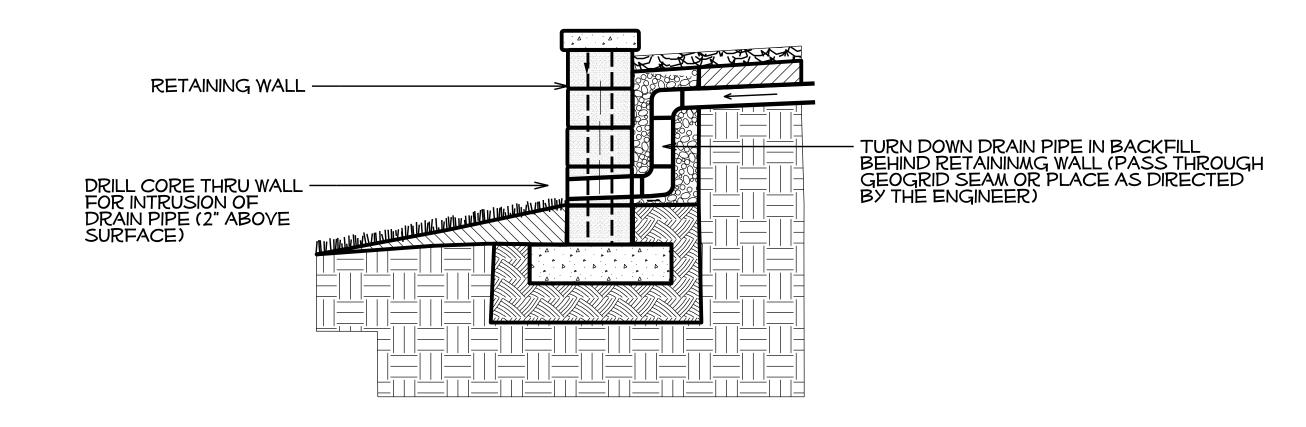




TYPICAL PERMEABLE PAYER DETAIL (SEE PAYEMENT DETAIL SHEET)

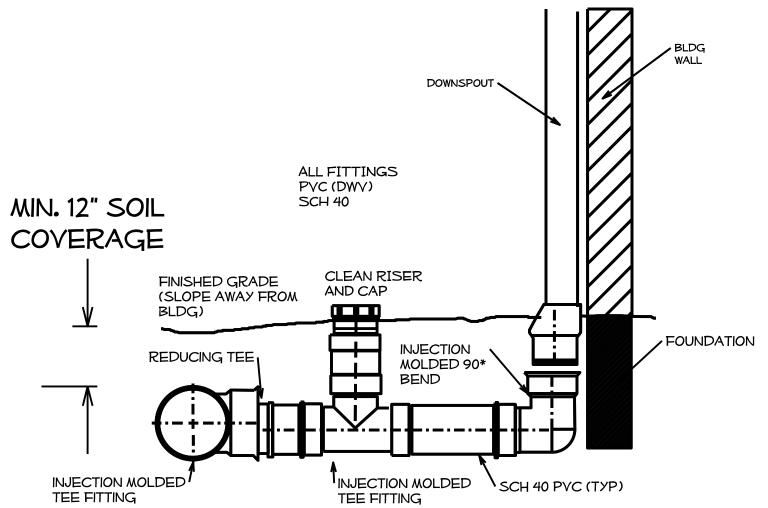


PERMEABLE PAYEMENT DRAINAGE CONNECTION TO 6' PIPE



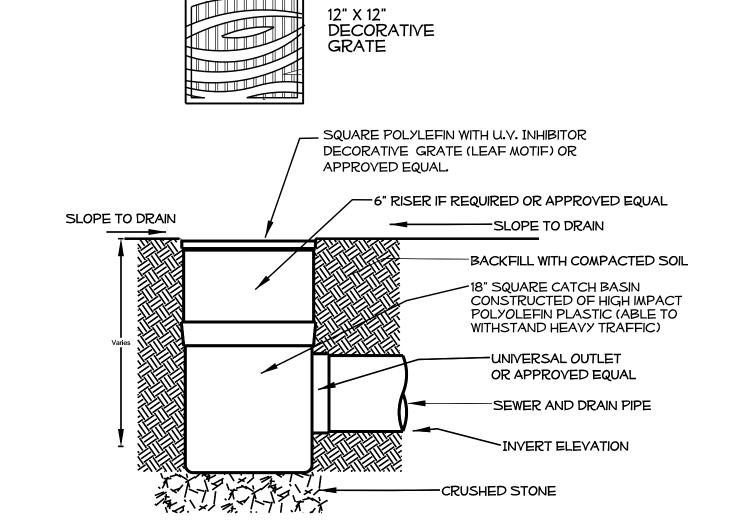






ALL STORMWATER PIPING INTEGRATED PER MANUFACTURER INSTRUCTIONS AND NCDOT STANDARDS





SQUARE GRATE WITH SQUARE CATCH BASIN



North Carolina Depart	Division of Highways	Manual Control of the
-----------------------	----------------------	--

fo

I-40 Alamance Co. Rest Area

Plans Drawn By:

KOPETSKY

Scale

n/a

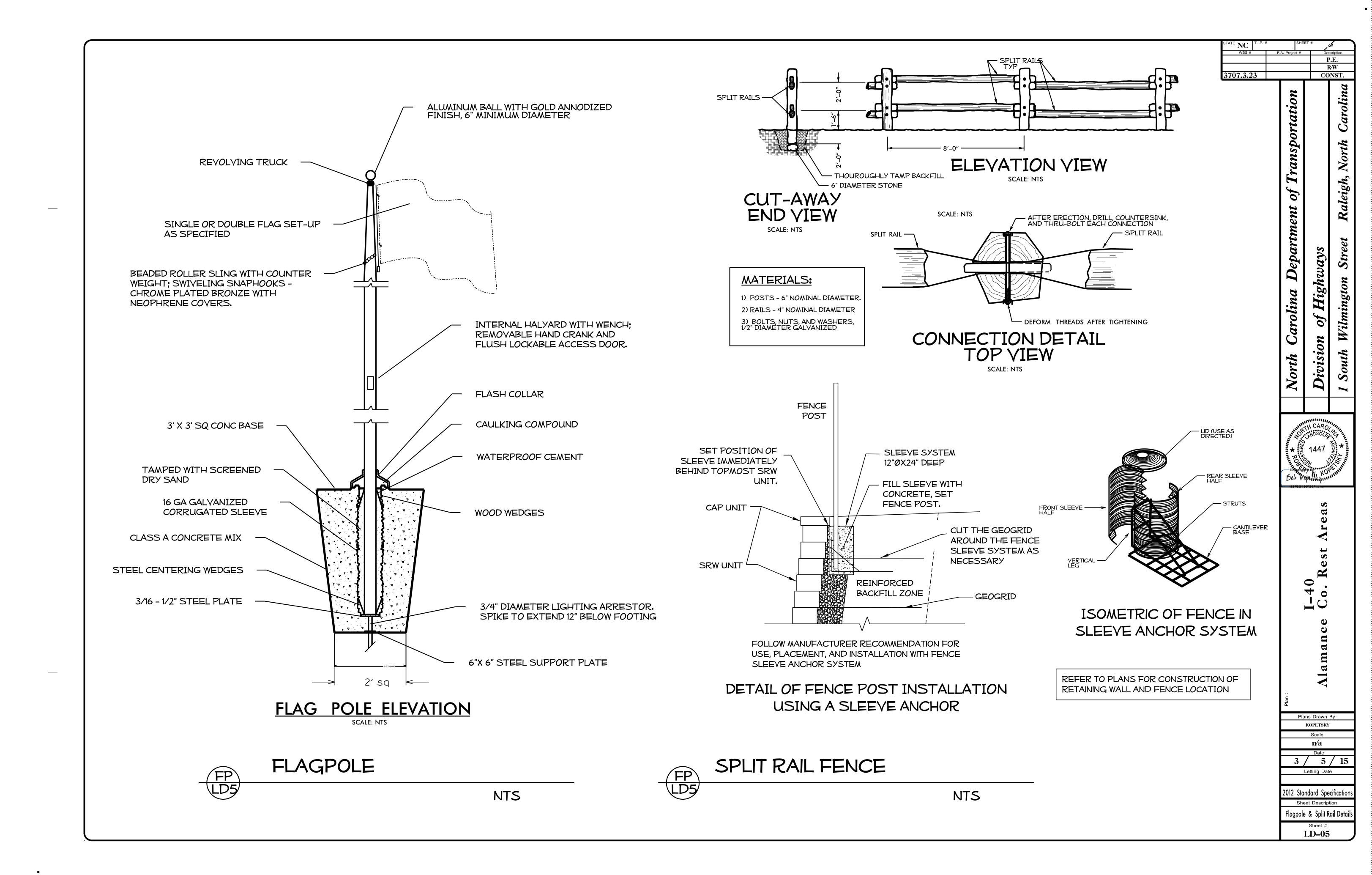
Date

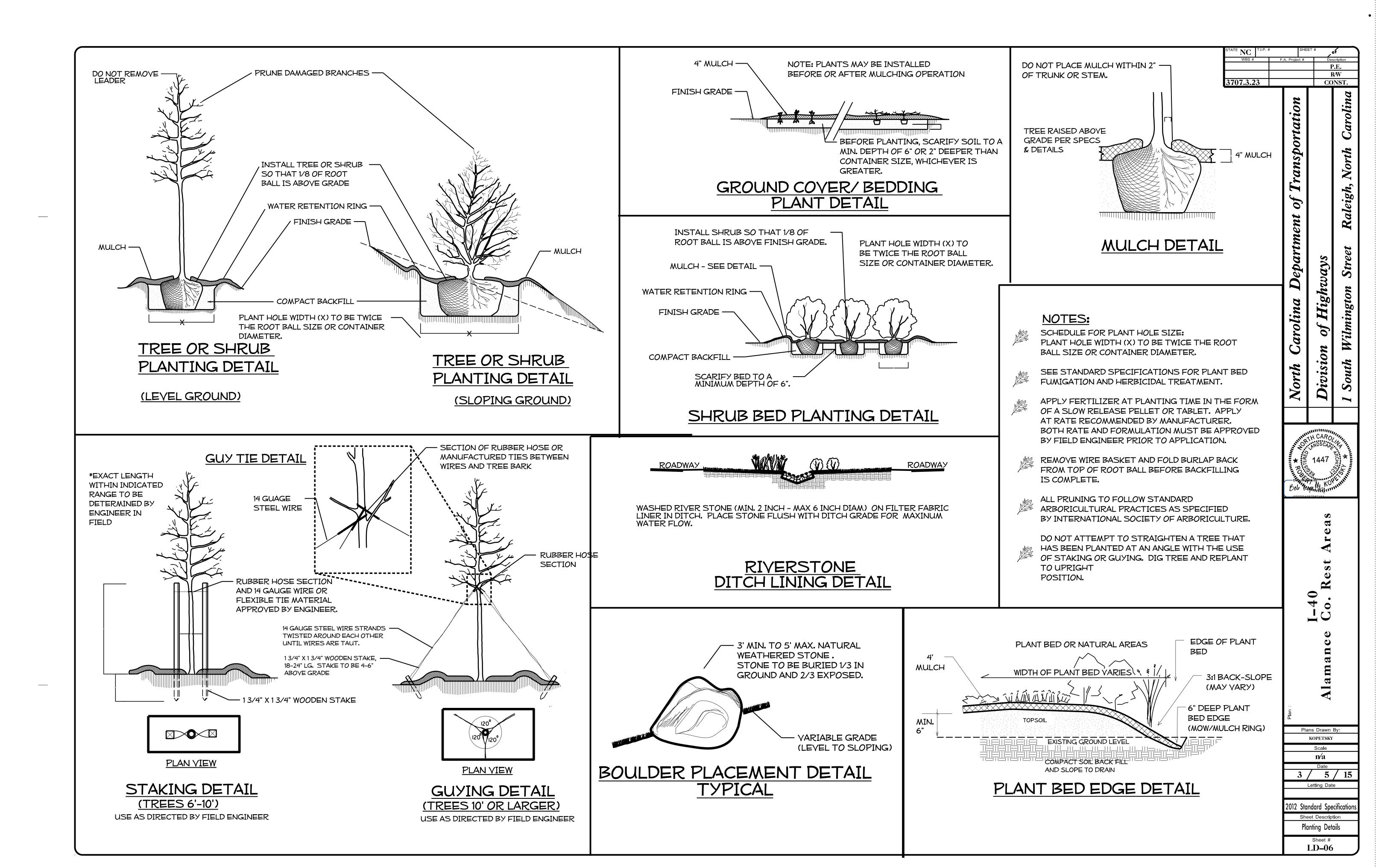
3 / 5 / 15

Letting Date

2012 Standard Specification
Sheet Description
Drainage Details
Sheet #

LD-04





I-40/I-85 ALAMANCE COUNTY REST AREA VENDING BUILDINGS "BID DOCUMENTS"

SCO ID #: 14-11287-01A

I-40/I-85 MILE MARKER 139, ALAMANCE COUNTY, NC NC DEPARTMENT OF TRANSPORTATION FACILITIES MANAGEMENT DIVISION

ARCHITECT OF RECORD

LISA L. KEEL, AIA NORTH CAROLINA DEPARTMENT OF TRANSPORTATION FACILITIES MANAGEMENT DIVISION

(919) 707-4548 Ilkeel@ncdot.gov SITE DEVELOPMENT-LANDSCAPE ARCHITECT OF RECORD

BOB KOPETSKY, RLA NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADSIDE ENVIRONMENTAL UNIT

(919) 707-2934 bkopetsky@ncdot.gov

STRUCTURAL ENGINEER OF RECORD

MICHAEL MOUNTCASTLE, P.E. NORTH CAROLINA DEPARTMENT OF TRANSPORTATION **FACILITIES MANAGEMENT DIVISION**

(919) 707-4547 mdmountcastle@ncdot.gov

PLUMBING / MECHANICAL / ELECTRICAL **ENGINEER OF RECORD**

(919) 771-1916 benburke@rr.nc.com

BURKE DESIGN GROUP, BEN BURKE, P.E.

INDEX OF DRAWINGS

T1 TITLE SHEET T2 BUILDING CODE SUMMARY

STRUCTURAL

FOUNDATION PLAN; FRAMING PLAN DETAILS, GENERAL NOTES

ARCHITECTURAL

- A1.1 FLOOR PLAN; REFLECTED CEILING PLAN; **ROOF PLAN & DETAILS** A2.1 EXTERIOR ELEVATIONS
- A2.2 EXISTING BUILDING ELEVATION & DETAILS A3.1 BUILDING SECTIONS
- A3.2 WALL SECTIONS & DETAILS A4.1 ROOM FINISH & DOOR SCHEDULES:
 - DOOR ELEVATIONS: HEAD, JAMB & SILL DETAILS

PLUMBING

P1 PLUMBING PLAN **MECHANICAL**

M1 HVAC PLAN

ELECTRICAL

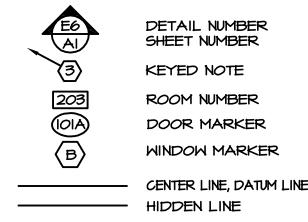
E1 ELECTRICAL DETAILS/SPECIFICATIONS E2 ELECTRICAL PLANS

SITE UTILITIES

- U1 NBL UTILITY PLAN
- U2 SBL UTILITY PLAN U3 UTILITY DETAILS

ABBREVIATIONS AND SYMBOLS

	EARTH		FINISH WOOD
	OTHER SOIL, MULCH	\searrow	ROUGH WOOD CONTINUOUS
\$50°	POROUS FILL, GRAVEL		ROUGH WOOD BLOCKING
	BRICK, OTHER MATL		PLYWOOD, OSB
	CMU		STEEL, METAL
• •	CONCRETE		GYPSUM BOARD, OTHER MATERIAL
	BATT INSULATION		GLASS, GLAZING
	RIGID INSULATION		ACOUSTICAL TILE
	FIBER CEMENT BOARD		



INTERIOR

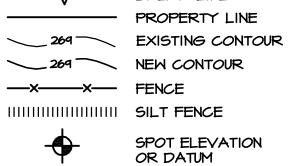
MANUFACTURER

MANHOLE

INVERT

LB, # POUND

BREAK LINE



SOIL BORING NO. I

ANGLE, LENGTH ALUMINUM ANCHOR BOLT ABOVE FINISH FLOOR ALTERNATE APPROXIMATE ARCHITECTURAL AVERAGE BACK TO BACK BASEMENT BEARING BENCHMARK BLOCKING

BOARD BUILDING CANTILEVER CATCH BASIN CURB AND GUTTER CAST IRON PIPE CENTERLINE CLOSET

CONTROL JT, CEILING JST CLR AN CLEAR ANODIZED CEILING CAULKING CONCRETE MASONRY UNIT COLUMN CONCRETE CONTINUOUS COURSES

DBL DET DIA DIAG DIM DN DN DS DIAMETER DIAGONAL DOWNSPOUT EACH WAY ELECTRICAL **ELEVATION** ELEVATOR EXISTING EXPANSION JOINT

ELECTRIC WATER COOLER FIRE EXTINGUISHER, CABINET FLOOR DRAIN FACTORY FINISH FINISH FLOOR ELEVATION FINISH FLOOR FIELD VERIFY FACE OF MASONRY FACE OF STUD FOF FACE OF FINISH

GYPSUM WALL BOARD

GALV

MASONRY OPENING MATERIAL MAX MIN MAXIMUM MINIMUM MOUNTED NOT IN CONTRACT NOT TO SCALE NUMBER ON CENTER OPNG OPENING
OSB ORIENTED STRAND BOARD GALVANIZED GLASS, GLAZING

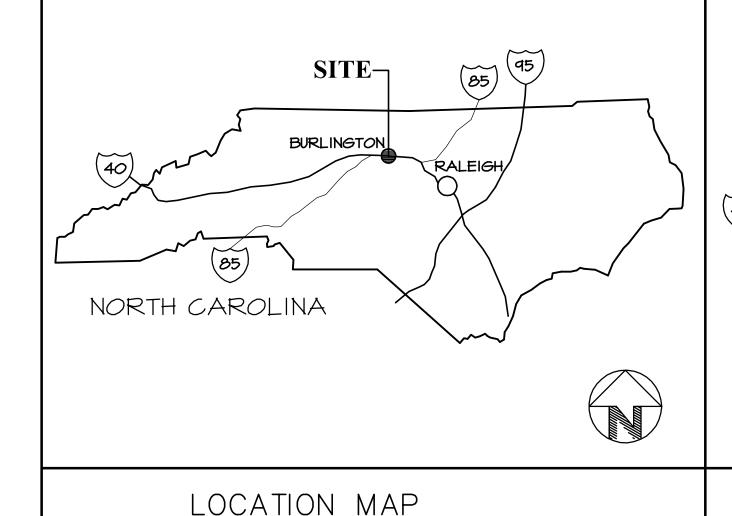
HOLLOW METAL HORIZONTAL PL LAM PLASTIC LAMINATE HIGH, HEIGHT INSULATION PLUMBING PLYWOOD PREFAB PREFABRICATED POUNDS PER SQ INCH JANITOR'S CLOSET JOIST KNEE SPACE ROOF DRAIN LAVATORY REFRIGERATOR

REQUIRED REVERSED, REVISION SUSPENDED CEILING TILE SANITARY SECTION SAFTY GLASS SHELF, SHELVES SHEATHING SIMILAR SPECIFICATION SQUARE STAINLESS STEEL, SANITARY SEWER STANDARD STEEL STL

STORAGE

TREAD TONGUE AND GROOVE TLT **TOILET** TOP OF FOOTING TOJ TOS TOP OF JOIST TOP OF STEEL TOW TOP OF WALL TREATED TYP TYPICAL UNLESS OTHERWISE NOTED

VERTICAL WIDE, WIDTH MOVEN WIRE FABRIC MDWOOD

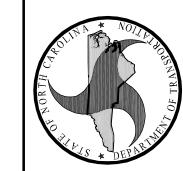


(85) BURLINGTON SITE MILE POST 139 85 (62)

VICINITY MAP

BID DOCUMENTS

FACILITIES DESIGN ARCHITECTS & ENGINEERS FACILITIES MANAGEMENT DIVISION, NCDOT



S S

I-40/I-85 ALAMANCE COUNTY REST AREA VENDING BUILDIN

SCO ID NO. 14-11287-01A TIP PROJ. NO. WBS NO. 3707.3.23 FEDERAL ID NO. ASSET NUMBER: CO.# SITE.# BLDG.; 01 • 013 • X **REVISIONS** NO. DATE

DATE ISSUED: 4-23-15 DRAWN BY: AS CHECKED BY: LLK SHEET NO.

(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project:	1 10/1 00 / (2/ (1/)) (1/0)	_		
Address: I-40	/I-85 MILE MARKER	R 139, ALAM <i>A</i>	ANCE COUNTY	', NC Zip Code 27215
	REST AREA VENDI			
Owner/Authorized	d Agent:NCDOT	Phone # (919) <u>707</u> - <u>4548</u>	E-Mail Ilkeel@ncdot.gov
Owned By:	☐ City	//County	Private	X State
Code Enforcemen	nt Jurisdiction: City	/	County	State
LEAD DESIGN	PROFESSIONAL: Lisa	Keel		
	FIRM		LICENSE #	TELEPHONE # E-MAIL
Architectural	NCDOT	Lisa Keel	6195	(919)707-4550 Ilkeel@ncdot.gov
Civil				
	Burke Design Group	Ben Burke	22038_	919 771-1916 benburke@nc.rr.c
Fire Alarm Plumbing	Burke Design Group	Pop Burko	22038	919)771-1916 benburke@nc.rr.c
Mechanical	Burke Design Group		22038	919)771-1916 benburke@nc.rr.d
Sprinkler System		Dell Durke		()
Structural	NCDOT	Michael Moun	tcastle 17326	(919)707-4547 mdmountcastle@
Retaining Walls >	5' High			
Other Landscap	e NCDOT	Bob Kopetsky	1447	(919)707-2934 bkopetsky@ncdo
EXISTING: CONSTRUCTED	Reconstruction D:(date)	Alteration ORIGINAL US		Renovation
EXISTING: CONSTRUCTED	Reconstruction	Alteration ORIGINAL US CURRENT US	Repair SE(S) (Ch. 3): E(S) (Ch. 3):	Renovation
EXISTING: CONSTRUCTED RENOVATED: BASIC BUILDIN Construction Type (check all that app Sprinklers: Standpipes: Fire District: Building Height: Gross Building A FLOOR 6th Floor 5th Floor	Reconstruction	Alteration ORIGINAL US CURRENT US PROPOSED U II-A II-B II-B II II	Repair SE(S) (Ch. 3): E(S) (Ch. 3): SE(S) (Ch. 3): III-A III-B PA 13 NFF III Wet Hazard Area:	□ Renovation □ IV □ V-A ▼ V-B PA 13R □ NFPA 13D □ Dry
EXISTING: CONSTRUCTED RENOVATED: BASIC BUILDIN Construction Typ (check all that app Sprinklers: Standpipes: Fire District: Building Height: Gross Building A FLOOR 6 th Floor 5 th Floor 4 th Floor	Reconstruction D: (date) (date) NG DATA pe:	Alteration ORIGINAL US CURRENT US PROPOSED U III-A III-B III-B III-B III-B III-B III-B III-B IIII-IIIIIIII	Repair SE(S) (Ch. 3): E(S) (Ch. 3): SE(S) (Ch. 3): III-A III-B PA 13 NFF III Wet Hazard Area:	Renovation IV V-A V-B PA 13R NFPA 13D Dry No Yes
EXISTING: CONSTRUCTED RENOVATED: BASIC BUILDIN Construction Type (check all that app Sprinklers: Standpipes: Fire District: Building Height: Gross Building A FLOOR 6th Floor 5th Floor 4th Floor 3rd Floor	Reconstruction D: (date) (date) NG DATA pe:	Alteration ORIGINAL US CURRENT US PROPOSED U III-A III-B III-B III-B III-B III-B III-B III-B IIII-IIIIIIII	Repair SE(S) (Ch. 3): E(S) (Ch. 3): SE(S) (Ch. 3): III-A III-B PA 13 NFF III Wet Hazard Area:	Renovation IV V-A V-B PA 13R NFPA 13D Dry No Yes
EXISTING: CONSTRUCTED RENOVATED: BASIC BUILDIN Construction Type (check all that app Sprinklers: Standpipes: Fire District: Building Height: Gross Building A FLOOR 6th Floor 5th Floor 4th Floor 3rd Floor 2nd Floor	Reconstruction D: (date) (date) NG DATA pe:	Alteration ORIGINAL US CURRENT US PROPOSED U III-A III-B III-B III-B III-B III-B III-B III-B IIII-IIIIIIII	Repair SE(S) (Ch. 3): E(S) (Ch. 3): SE(S) (Ch. 3): III-A III-B PA 13 NFF III Wet Hazard Area:	Renovation IV V-A V-B PA 13R NFPA 13D Dry No Yes
EXISTING: CONSTRUCTED RENOVATED: BASIC BUILDIN Construction Type (check all that app Sprinklers: Standpipes: Fire District: Building Height: Gross Building A FLOOR 6th Floor 5th Floor 4th Floor 3rd Floor	Reconstruction D: (date) (date) NG DATA pe:	Alteration ORIGINAL US CURRENT US PROPOSED U III-A III-B III-B IIIII IIIIIIIIIIIIII	Repair SE(S) (Ch. 3): E(S) (Ch. 3): SE(S) (Ch. 3): III-A III-B PA 13 NFF III Wet Hazard Area:	Renovation IV V-A V-B PA 13R NFPA 13D Dry No Yes Sub-Total
EXISTING: CONSTRUCTED RENOVATED: BASIC BUILDIN Construction Tyl (check all that app Sprinklers: Standpipes: Fire District: Building Height: Gross Building A FLOOR 6 th Floor 5 th Floor 4 th Floor 3 rd Floor 2 nd Floor Mezzanine	Reconstruction D: (date) (date) NG DATA pe:	Alteration ORIGINAL US CURRENT US PROPOSED U III-A III-B III-B IIIII IIIIIIIIIIIIII	Repair SE(S) (Ch. 3): E(S) (Ch. 3): SE(S) (Ch. 3): III-A III-B PA 13 NFF III Wet Hazard Area:	Renovation IV V-A V-B PA 13R NFPA 13D Dry No Yes

ALLOWABLE AREA
Occupancy:
Assembly A-1 A-2 A-3 A-4 A-5 Business Educational
Factory F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM Institutional I-1 I-2 I-3 I-4 I-3 Condition I I I I I I I I I I I I I I I I I I I
Residential R-1 R-2 R-3 R-4 Storage S-1 Moderate S-2 Low High-piled Parking Garage Open Enclosed Repair Garage Utility and Miscellaneous
Accessory Occupancies:
Assembly A-1 A-2 A-3 A-4 A-5 Business Educational Factory F-1 Moderate F-2 Low
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM Institutional I-1 I-2 I-3 I-4 I-3 Condition I I I I I I I I I I I I I I I I I I I
Residential R-1 R-2 R-3 R-4 Storage S-1 Moderate S-2 Low High-piled Parking Garage Open Enclosed Repair Garage Utility and Miscellaneous
· —
Incidental Uses (Table 508.2.5): [Furnace room where any piece of equipment is over 400,000 Btu per hour input
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
Refrigerant machine room
☐ Hydrogen cutoff rooms, not classified as Group H
☐ Trydrogen cutoff rooms, not classified as Group if
Paint shops, not classified as Group H, located in occupancies other than Group F
Laboratories and vocational shops, not classified as Group H. located in a Group E or I-2 occupancy
Laundry rooms over 100 square feet
☐ Group I-3 cells equipped with padded surfaces ☐ Group I-2 waste and linen collection rooms
Waste and linen collection rooms over 100 square feet
Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
Rooms containing fire pumps
Group I-2 storage rooms over 100 square feet
Group I-2 commercial kitchens
Group I-2 laundries equal to or less than 100 square feet
Group I-2 rooms or spaces that contain fuel-fired heating equipment
Special Uses: 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424
Special Provisions: 509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.9
Mixed Occupancy: No Yes Separation: Hrs. Exception:

☐ Incidental Use Separation (508.2.5)

	☐ Non- The relimitationst ☐ Separationst ☐ Separationst ☐ According to the search of	Separated Use equired type of ations for each cruction, so deterated Use (508 ach story, the ar	(508.3) construction for the applicable rmined, shall a (4) - See below rea of the occup the allowable for the allowable	or the building se occupancies pply to the entity for area calculation and shall be shown area for each to the control of the		ned by applyin lding. The moment of the ratios exceed 1.	of the actual flo	pe of
				+		+	=	≤ 1.00
	STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503 ⁵ AREA	(C) AREA FOR FRONTAGE INCREASE ¹	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ³	(F) MAXIMUM BUILDING AREA ⁴
	1	S-1	526	9,000	NOT USED	N/A	9,000	9,000
	1	S-1	526	9,000	NOT USED	N/A	9,000	9,000
gov	a. Pering b. Tota c. Rating d. W = e. Perc The sprinkly a. Mult b. Sing Unlimited a Maximum of The maxim	Il Building Peri o (F/P) = (Minimum wid ent of frontage er increase per it-story building le story building area applicable Building Area =	onts a public way meter (F/P) th of public way increase $I_f =$ Section 506.3 is $I_s = 200$ perce g $I_s = 300$ perce under condition total number in parking garage	ay or open space $= (P)$ $y = (W)$ $100 [F/P - 0.2 $ is as follows: ant ent as of Section 5 of stories in the ges must comple	the having 20 feets $5] \times W/30 =$	(%)		`air traffic
				ALLOWAB	LE HEIGHT			

]

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Туј	ре <u>V - В</u>	Type V - B	602.5
Building Height in Feet	40	Feet = H + 20' = N/A	13'-8"	503
Building Height in Stories	2	Stories + 1 = N/A	1	503

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE		RATING	DETAIL#	DESIGN #	DESIGN # FOR	DESIGN #
	SEPARATION DISTANCE (FEET)	RE Q'D	PROVIDED (W/* REDUCTION)	AND SHEET #	FOR RATED ASSEMBLY	RATED PENETRATION	FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	>30'	0					
Bearing Walls							
Exterior		0					
North							
East							
West							
South							
Interior		0					
Nonbearing Walls and Partitions Exterior walls		0					
North							
East							
West							
South							
Interior walls and partitions		0					
Floor Construction Including supporting beams and joists		0					
Roof Construction Including supporting beams and joists		0					
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Tenant Separation							
Incidental Use Separation							

LIFE SAFETY SYSTEM REQUIREMENTS

	LIFE SAFETY SYSTEM REQUIREMEN
Emergency Lighting: Exit Signs: Fire Alarm: Smoke Detection Systems: Panic Hardware:	No ▼ Yes No Yes No Yes No Yes No Yes No Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: A1
Fire and/or smoke rated wall locations (Chapter 7)
Assumed and real property line locations

	Exterior wall opening area with respect to distance to assumed property lines (705.8)
	Existing structures within 30' of the proposed building
Y	Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)

Occupant loads for each area X Exit access travel distances (1016) 250 ft.

Dead end lengths (1018.4) 20 ft.

	ALLOWABLE	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE
	(TABLE 503)			REFERENCE
Type of Construction	Тур	e <u>V - B</u>	Type V - B	602.5
Building Height in Feet	40	Feet = H + 20' = N/A	13'-8"	503
Building Height in Stories	2	Stories + 1 = <u>N/A</u>	1	503

Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)

Common path of travel distances (1014.3 & 1028.8) 30 ft.

X Clear exit widths for each exit door Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)

X Actual occupant load for each exit door A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of

occupancy separation X Location of doors with panic hardware (1008.1.10)

Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)

Location of doors with electromagnetic egress locks (1008.1.9.8) Location of doors equipped with hold-open devices Location of emergency escape windows (1029)

☐ The square footage of each fire area (902) The square footage of each smoke compartment (407.4). Smoke barricades <22,500 sf. Max.

Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS

				(SECTION	N 1107)		
TOTAL	ACCESSIBLE	ACCESSIBLE	TYPE A	TYPE A	TYPE B	TYPE B	TOTAL
UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	ACCESSIBLE UNITS
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	PROVIDED

ACCESSIBLE PARKING (SECTION 1106)

LOT OR PARKING	TOTAL # OF PA	RKING SPACES	# OF ACC	CESSIBLE SPACES PRO	OVIDED	TOTAL#	
AREA	REQUIRED	PROVIDED	REGULAR WITH	VAN SPACE	ES WITH	ACCESSIBLE	
			5' ACCESS	132" ACCESS	8' ACCESS	PROVIDED	
			AISLE	AISLE	AISLE		
ALL EXIST	NG SPAC	ES TO RE	EMAIN				

_	 _	 					-	_	_					-	_	 	 _
_	_				_	_				_					_		
		T.	- T	CIL	n I	- 1	A T	T	1		DIT:	1					
		J		CSI	NΤ	- 1	A T	P	T	CT	2 T T /	TI	- 5				

		STRUCTUR
DESIGN LOADS: Importance Factors:	$\begin{array}{ccc} Wind & (I_W) \\ Snow & (I_S) \\ Seismic & (I_E) \end{array}$	1.0 1.0 1.0
Live Loads:	Roof Mezzanine Floor	$\begin{array}{c} \underline{20} & psf \\ \underline{100} & psf \\ \end{array}$
Ground Snow Load:	15 psf	

Basic Wind Speed ______ mph (ASCE-7) Wind Load: Exposure Category _____B Wind Base Shears (for MWFRS) Vx = _____

SEISMIC DESIGN CATEGORY:
Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5)
Spectral Response Acceleration $S_8 21.2 $ %g $S_1 8.2 $ %g
Site Classification (Table 1613.5.2) A B C XD E F
Data Source: Field Test X Presumptive Historical Data
Basic structural system (check one)
▼ Bearing Wall Dual w/Special Moment Frame
Building Frame Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum
Seismic base shear: $V_X = $ $V_Y = $
Analysis Procedure: Simplified X Equivalent Lateral Force Dynamic
Architectural, Mechanical, Components an chored? Yes No
LATERAL DESIGN CONTROL: Earthquake Wind X

SOIL BEARING CAPACITIES: Field Test (provide copy of test report) Presumptive Bearing capacity Pile size, type, and capacity

SPECIAL INSPECTIONS REQUIRED:

PLUMI		URE REQUIREME LE 2902.1)	ENTS
WATERCLOSETS	TIDINIATO	TAVATORIES	CHOMED

	USE	WATER	CLOSETS	URINALS	LAV A'	TORIES	SHOWERS/	DRINKING FOUNTAINS	
		MALE	FEMALE		MALE	FEMALE	TUBS	REGULAR	ACCESSIBLE
	EXISTING	-	-	-	-	-	-	-	-
Α	NEW	-	-	-	-	-	-	-	-
	REQUIRED	-	-	-	-	-	-	-	-
ALL FIX	LL FIXTURES LOCATED IN EXISTING REST AREA BUILDINGS NO ALTERATIONS WILL BE MADE								

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)

ENERGY SUMMARY

ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Climate Zone: 3 X4 5

Method of Compliance:

Prescriptive (Energy Code) X Performance (Energy Code) COMCheck Prescriptive (ASHRAE 90.1) Performance (ASHRAE 90.1)

THERMAL ENVELOPE

Roof/ceiling Assembly (each assembly) Description of assembly: As<u>phalt shingle roof w/ structural ins</u>ulated panels

U-Value of total assembly: 0.025 R-Value of insulation: Skylights in each assembly: NONE U-Value of skylight: total square footage of skylights in each assembly:

Exterior Walls (each assembly)-Description of assembly: Brick Veneer, 1" air space, 1" rigid insulation, R-19 in 2x4 stud wall. U-Value of total assembly: 0.04 R-Value of insulation: <u>Batt-19.0, R</u>igid-5.0 Openings (windows or doors with glazing) U-Value of assembly: 0.8-glass doors, 0.4 insul. metal door

Solar heat gain coefficient: 0.40 projection factor: Door R-Values: 1.25-glass doors, 2.5-insul. metal door

Walls below grade – NONE

Floors over unconditioned space – NONE

Floors slab on grade

Description of assembly: Poured-in-place concrete over vapor barrier U-Value of total assembly: R-Value of insulation: Horizontal/vertical requirement: - NO slab heated:

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

```
Thermal Zone 4A
      winter dry bulb: __
      summer dry bulb: 94
Interior design conditions
      winter dry bulb:
      summer dry bulb: 75
      relative humidity: ____50%
Building heating load: 8,400 BTU/ Hr
Building cooling load: 11,800 BTU/ Hr
Mechanical Spacing Conditioning System
        description of unit: 1.5 TON DUCTLESS SPLIT SYSTEM HEAT PUMP
        heating efficiency: SEE EQUIPMENT SCHEDULES
        cooling efficiency:
```

size category of unit: Size category. If oversized, state reason.: Chiller

ELECTRICAL SUMMARY

Size category. If oversized, state reason.:

List equipment efficiencies:

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code: X Prescriptive Performance ASHRAE 90.1: Prescriptive Performance

Lighting schedule (each fixture type)

lamp type required in fixture SEE LIGHT FIXTURE SCHEDULE number of lamps in fixture " " " ballast type used in the fixture " " " number of ballasts in fixture " " " total wattage per fixture " " " " total interior wattage specified vs. allowed (whole building or space by space) 419 VA/ 470 VA total exterior wattage specified vs. allowed

Additional Prescriptive Compliance

506.2.1 More Efficient Mechanical Equipment 506.2.2 Reduced Lighting Power Density ∑ 506.2.3 Energy Recovery Ventilation Systems 506.2.4 Higher Efficiency Service Water Heating 506.2.5 On-Site Supply of Renewable Energy 506.2.6 Automatic Daylighting Control Systems



BID DOCUMENTS



SUMMARY DING. BUIL

I-40/I-85 ALAMANCE COUNTY REST AREA VENDING BUILDINGS

SCO ID NO. 14-11287-01A

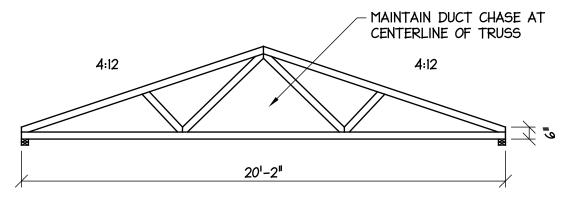
TIP PROJ. NO. WBS NO. 3707.3.23 FEDERAL ID NO. ASSET NUMBER: CO.# SITE.# BLDG.# 01 • 013 • X REVISIONS NO. DATE

DATE ISSUED: 4-23-15
DRAWN BY: AS CHECKED BY: LLK

SHEET NO.

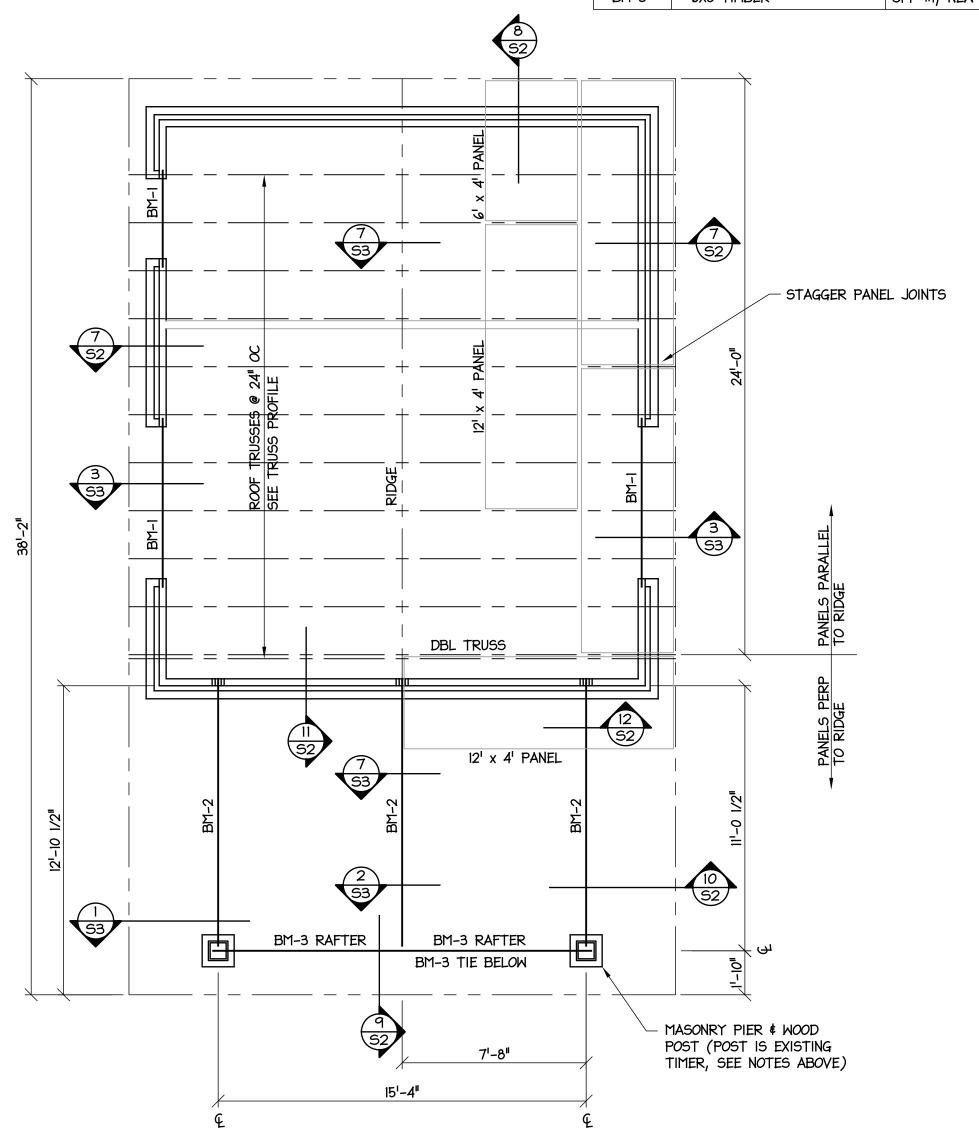
* REUSE OF EXISTING TIMBER:

- 1. THIS PROJECT ATTEMPTS TO REUSE OLD TIMBERS FROM A LOCAL MILL. THIS MATERIAL WILL BE SUPPLIED BY THE OWNER, HOWEVER THE CONTRACTOR MAY BE RESPONSIBLE FOR TRANSPORTING MATERIAL TO SAWMILL IF REQ'D & TO THE JOB SITE. COORD W/ LOCAL OWNER REP.
- SOME SIZES GIVEN ON PLANS ARE BASED ON MEASUREMENTS OF A REPRESENTATIVE SAMPLE OF EXISTING TIMBER. VERIFY ACTUAL SIZES PRIOR TO FABRICATION OF BRACKETS & OTHER CONSTRUCTION.
- 3. REMOVE ALL NAILS & OTHER HARDWARE FROM EXISTING WOOD PRIOR TO USE.
- 4. CONFIRM SUFFICIENT QUANTITY OF EXISTING MATERIAL. NOTIFY ARCH IF
- THERE IS INSUFFICIENT MATERIAL OR EXCESSIVE DAMAGE. 5. SEE ARCH FOR REQ'D FINISHES.



TRUSS PROFILE

	BEAM SCHEDULE	
MARK	SIZE	REMARKS
BM-1	(2) 2XI0	
BM-2	6XI2 TIMBER	SPF #1, NEW TIMBER
BM-3	6X8 TIMBER	SPF #1, NEW TIMBER



NOTES:

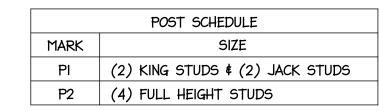
- WALL SHEATHING SHALL BE ½ APA RATED SHEATHING, 32/16 SPAN RATING, EXPOSURE I, ATTACHED W/ 8D NAILS @ 6" OC ALONG PANEL EDGES \$ 8" OC AT INTERIOR OF PANEL. BLOCK ALL PANEL EDGES W/ 2X4 BETWEEN WALL STUDS.
- 2. ROOF TRUSSES & STRUCTURAL INSULATED PANELS SHALL BE DESIGNED FOR ALL LOADS INDICATED ON PLANS \$ SPECIFICATIONS. SHOP DRAWINGS SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NC. SEE TITLE SHEET(S) FOR STRUCTURAL DESIGN
- 3. BRIDGING & UPLIFT BRACING SHALL BE INSTALLED PER TRUSS MFR REQUIREMENTS. MFR IS RESPONSIBLE FOR BRACING DESIGN. TEMPORARY BRACING IS THE GC'S RESPONSIBILITY.
- 4. MINIMUM ROOF DL FOR TRUSS DESIGN SHALL BE 15 PSF.
- 5. ENGINEERED COMPONENTS SHALL BE DESIGNED FOR WIND PRESSURES SPECIFIED IN NCSBC.
- 6. ROOF SLOPE = 4:12, UNLESS OTHERWISE NOTED ON PLANS.
- 7. ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS ARE ABOVE FIRST FINISH FLOOR, REF ELEVATION = $+0^{1}-0^{11}$.
- 8. SEE LINTEL SCHEDULE FOR MASONRY LINTELS NOT SPECIFIED. SEE ARCH & MECH FOR OPENINGS NOT SHOWN ON STRUCT PLANS.
- 9. SEE I/SI FOR POST SIZES.
- 10. WHERE PORCH BEAMS ARE BEVELED, ONLY REMOVE ENOUGH MATERIAL TO PROVIDE BEVEL. DO NOT OVERCUT.
- 11. ALL DIMENSIONS ARE BASED ON DRESSED LUMBER/TIMBER. USE OF ROUGH CUT MATERIAL WILL REQUIRE APPROVAL BY THE ARCHITECT \$ ADJUSTMENT OF CONNECTOR DIMENSIONS.





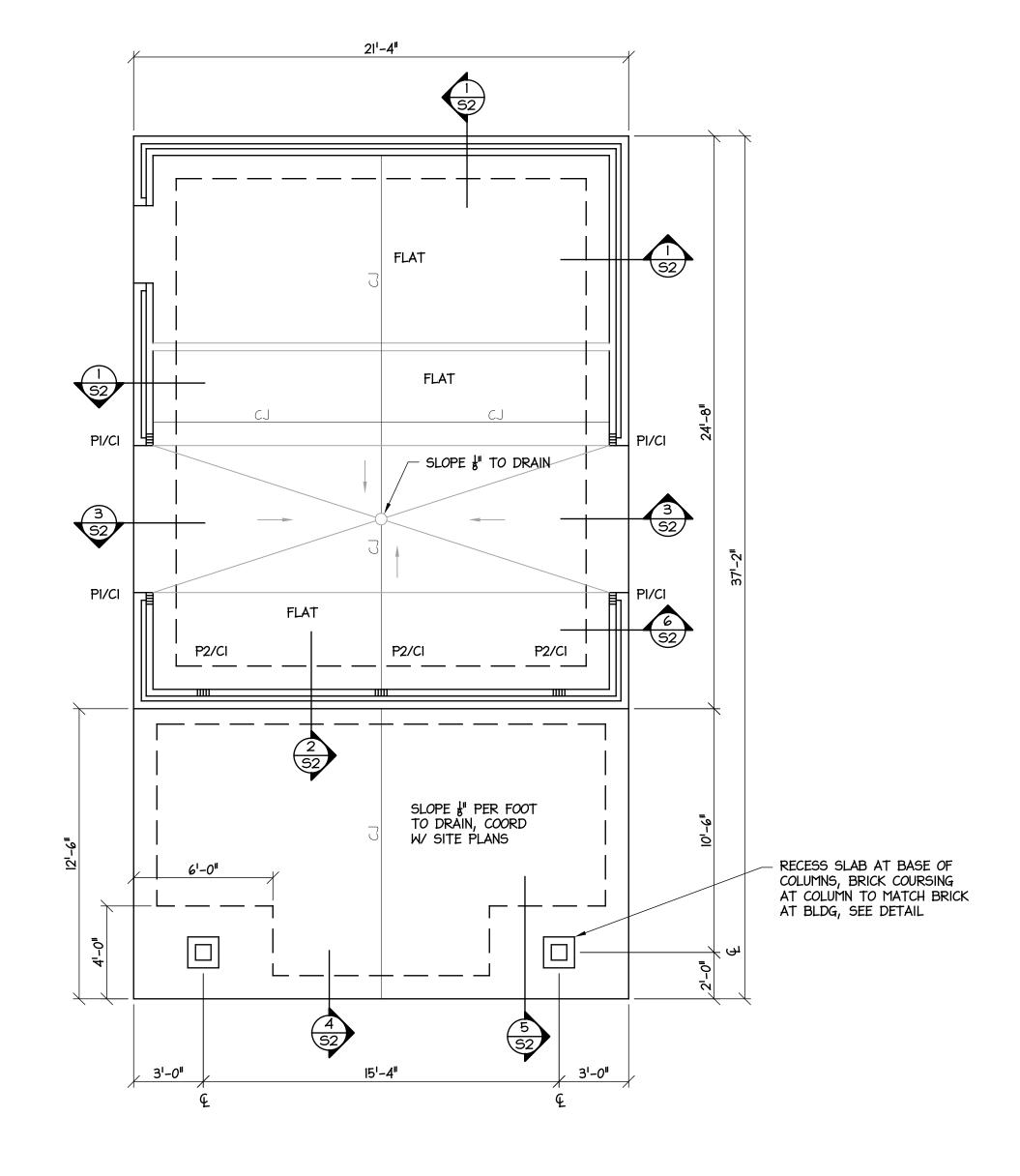






	CONNECTOR SCHEDULE
MARK	HOLDOWN & ANCHOR BOLT
CI	HDU2-SDS2.5 \$ 5" X 6" EMBED

NOTE: SIMPSON CONNECTORS ARE SHOWN. ALTERNATE CONNECTORS WITH EQUAL LOAD CAPACITY & CORROSION RESISTANCE MAY BE USED.



SCALE: 1/4" = 1'-0"

NOTES:

- 1. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE = 4000 PSI. ADD 5% AIR
- FOR CONCRETE EXPOSED TO WEATHER. 2. REINFORCEMENT SHALL BE A615, GRADE 60.
- 3. ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS ARE ABOVE FINISH FLOOR, REF ELEVATION = $+0^{1}-0^{11}$.
- 4. FLOOR SLAB SHALL BE 4" CONC REINF W/ 6X6 WI.4 X WI.4 WWR ON 10 MIL VAPOR RETARDER OVER 4" GRANULAR BASE.
- 5. PROVIDE SMOOTH FINISH FOR INTERIOR SLAB. INTERIOR SLAB WILL BE
- EXPOSED SEALED CONCRETE, SEE ARCH. 6. PROVIDE BROOMED FINISH ON PORCH SLAB. SEE ARCH FOR SEALANT.
- 7. SEE ARCH PLANS FOR FLOOR FINISHES & DIMENSIONS NOT SHOWN. SEE ARCH
- OR SITE PLANS FOR EXTERIOR CONCRETE.
- 8. CJ DENOTES SLAB CONTROL JOINT. SAW JOINTS MIN $\frac{1}{4}$ SLAB THICKNESS.
- 9. PX & CX DENOTE POST & CONNECTOR, SEE SCHEDULES THIS SHEET. 10. PRESUMPTIVE SOIL CAPACITY IS SHOWN ON CODE SUMMARY SHEET. SOIL INVESTIGATION BY OWNER IS PENDING.





SCO ID NO. 14-11287-01A REVISIONS DATE 4/23/15 MDM DRAWN BY:

FDN PLAN FRAMING

County Vending

Alamance

Improvements

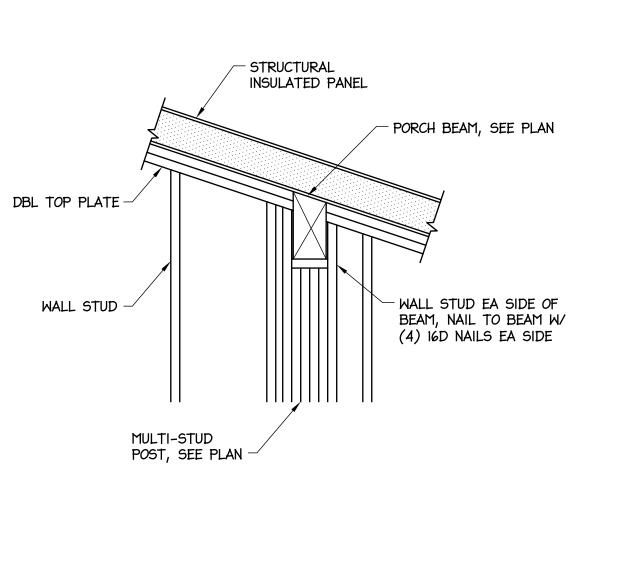
and HIGHW ALAMA

BID DOCUMENTS

CHECKED BY: MDM SHEET NO.

FOUNDATION PLAN





PORCH BEAM BRG AT WALL

SCALE: 3/4" = 1'-0"

6' OR 12' PANEL LENGTH

TRUSS -

ADDITIONAL TRUSS FOR PANEL SUPPORT—

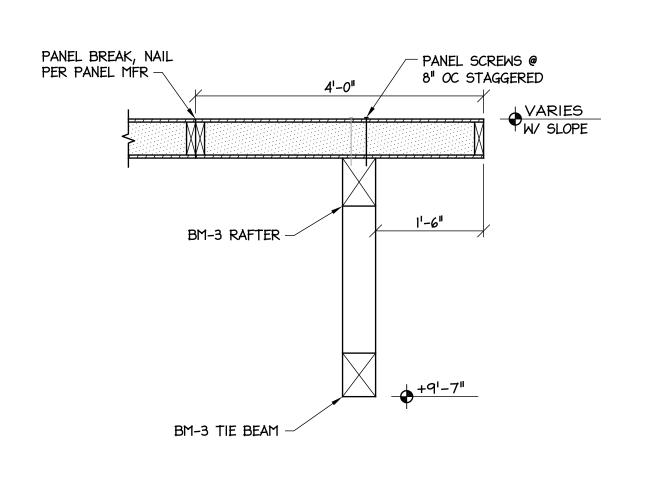
CONT WALL STUDS

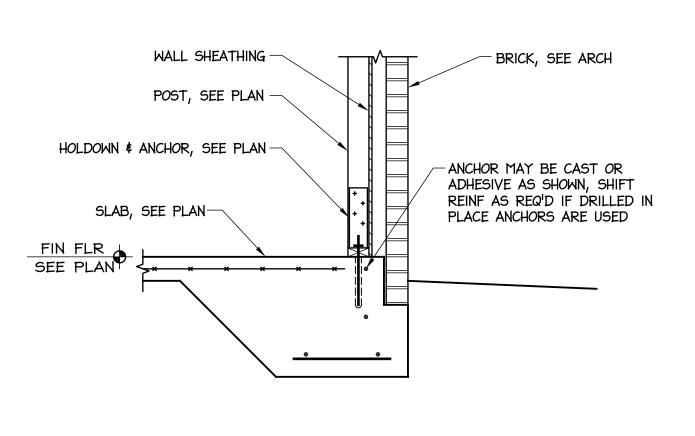
AT GABLE WALLS -

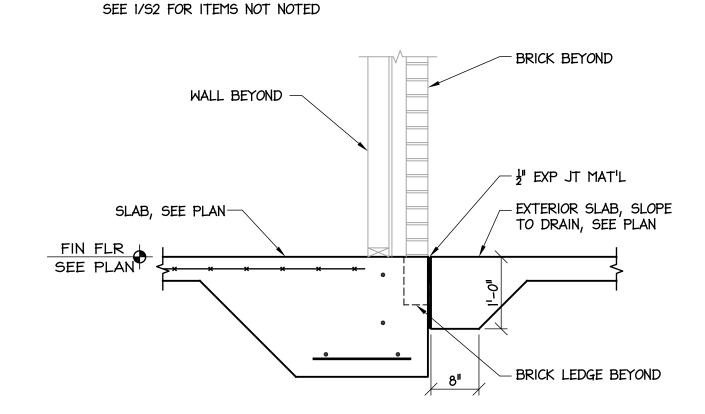
NOTE, ADD DIAG BRACING AT VENT AS SHOWN IN 8/52

SCALE: 3/4" = 1'-0"

GABLE WALL AT PORCH



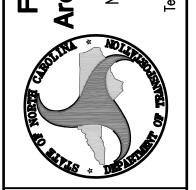


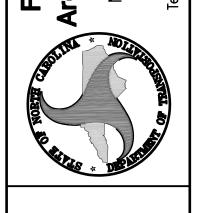


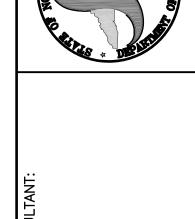
FOUNDATION AT DOOR OPENINGS

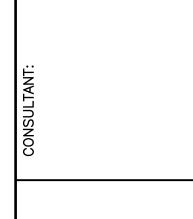


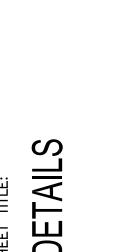
BID DOCUMENTS



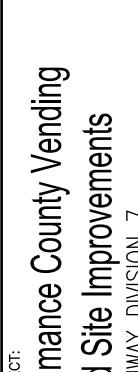












Alamance County Ve	,	and Site Improvemen	HIGHWAY DIVISION 7	A AMANCE COLINTY NORHT
S(14— EVISIO NO.	CO 1 1	ID 287	NO.	1 Δ
EVISIO	ONS	<u> 207</u>		171
١٥.		DA	TE_	

DATE:	4/	23/15
DRAWN	BY:	MDM
CHECKE	D BY:	MDM
SHEET 1	VO .	
_		

OF



GABLE END OF PORCH

- STRUCTURAL INSULATED PANEL

1'-8 1/2"

- PANEL SCREWS

VARIES W/ SLOPE

SCALE: 3/4" = 1'-0"

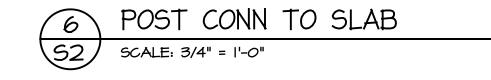
2X4 BLKG EA BRACE —

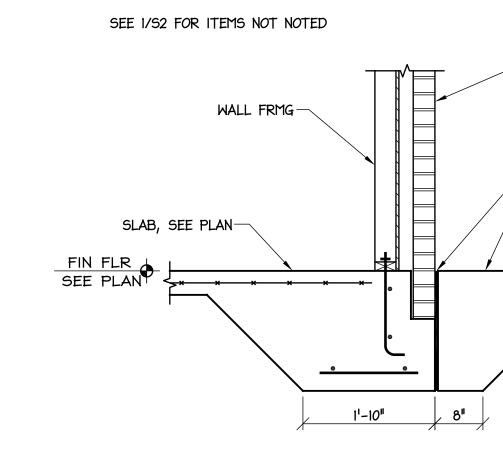
2X4 DIAG BRACE @ 48" OC MAX AT GABLE VENT-

CONT WALL STUDS AT GABLE WALLS—

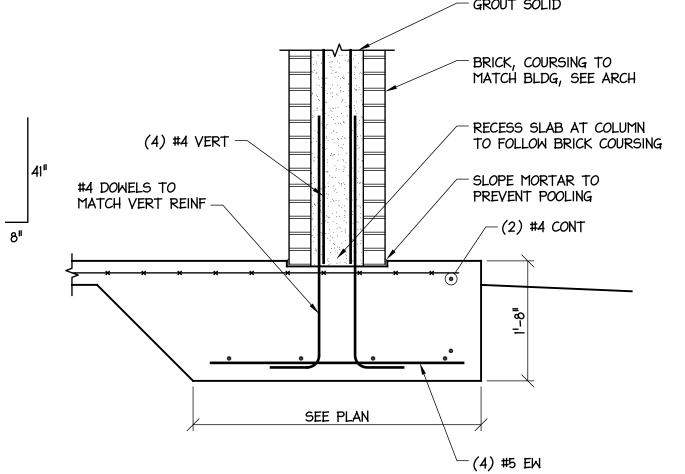
GABLE WALL

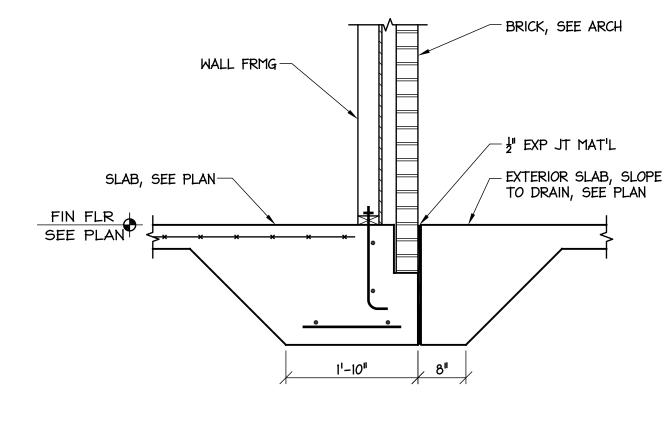
SCALE: 3/4" = 1'-0"

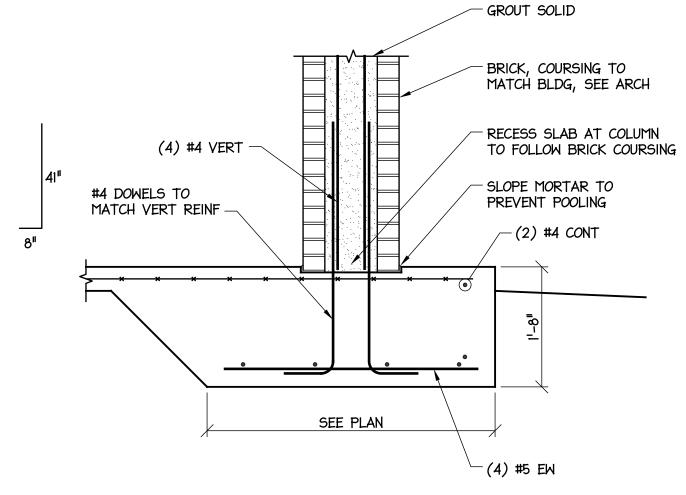




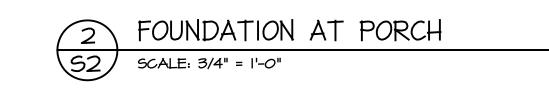
SCALE: 3/4" = 1'-0"

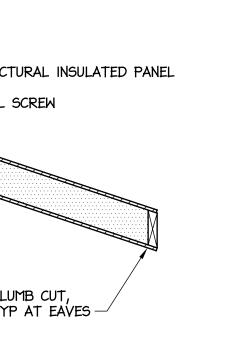












- PANEL SCREWS

- STRUCTURAL

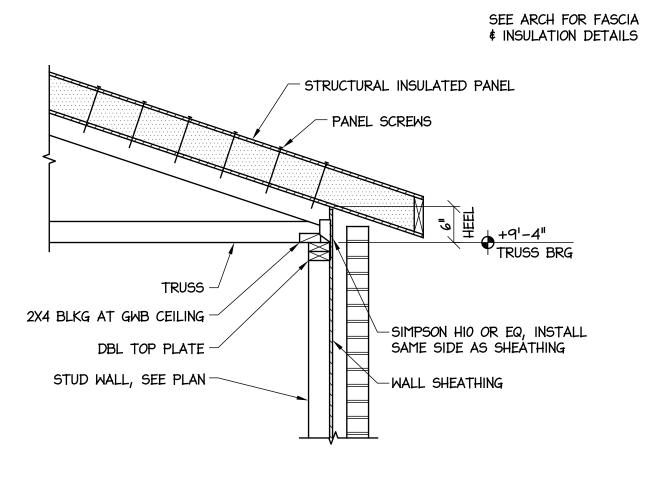
INSULATED PANEL

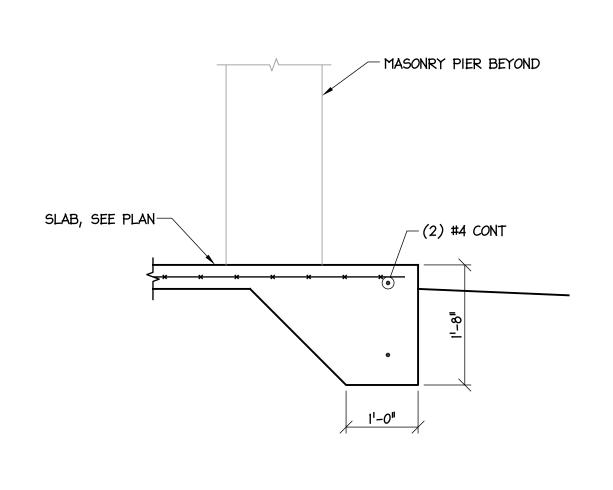
BRICK, SEE ARCH

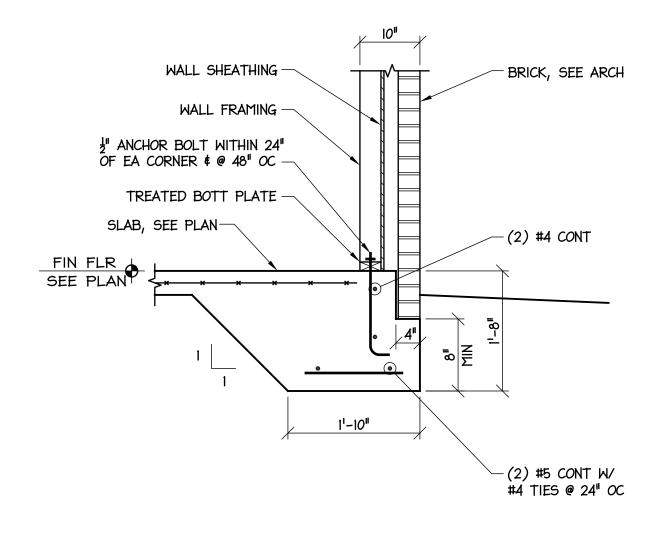
- WALL SHEATHING

PORCH

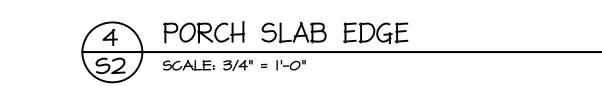
PANEL WIDTH

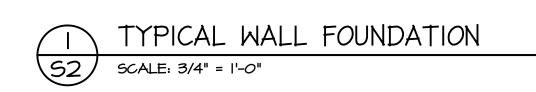


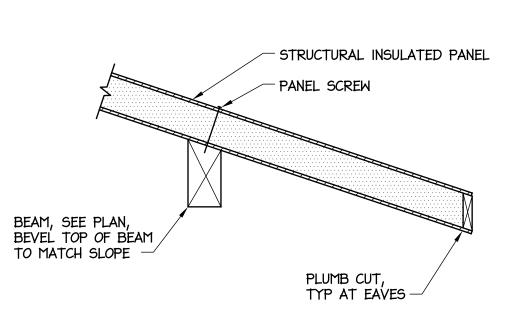




7	TYPICAL ROOF TRUSS BRG	
52 /	SCALE: 3/4" = I'-0"	









GENERAL NOTES:

A. GENERAL

- 1. See specifications for further information. in case of conflict between specifications & drawings, contact architect for resolution.
- 2. Contractor is responsible for coordination & distribution of all changes in contract documents to all subcontractors.
- 3. Contractor shall verify all field conditions, elevations, & dimensions prior to construction. Do not scale from plans.
- 4. Means & methods of construction, including temporary bracing, shoring, & jobsite safety, are the responsibility of the contractor.
- 5. Structural frame shall be braced until erection is complete & permanent
- connections & bracing are installed.

6. Provide silt fence or other erosion & sediment control measures as required.

7. If demolition is included in project, sawcut all edges of existing slab and asphalt to remain adjacent to new construction.

B. FOUNDATION

- 1. Footing excavations shall be reviewed by a geotechnical engineer or construction testing agency approved by the architect or engineer.
- 2. Footing depths shown are based on geotechnical investigation or presumptive soil properties. Soft or unsuitable soils shall be removed & replaced with suitable fill as specified.
- 3. Under slabs & footings, remove all topsoil, trash, & organic material, & replace with select fill compacted to 95% maximum density as measured by the Standard Proctor Method (ASTM 698) in 12 inch maximum lifts. The top 12" shall be compacted to 98% maximum density.
- 4. Contractor is responsible for shoring while excavating near existing structures.

C. CONCRETE

- 1. Compressive strength of concrete shall be 3000 psi for footings & 4000 psi for walls and slabs, unless otherwise noted.
- 2. Coordinate floor slopes and depressions with arch and plumbing plans. Maintain specified slab thickness below depressed and sloped areas.
- 3. If not specified on plans, provide sawed slab control joints in slabs on grade
- spaced at not more than 48 times the slab thickness.
- 4. Reinforcing steel shall meet ASTM A 615, Grade 60.
- 5. Welded wire reinforcement shall conform to ASTM A 185 & A 82.
- 6. Grout under all columns & beam bearing plates with non-shrink, non-metallic grout which meets ASTM C 1107.
- 7. Clear distance from face of concrete to main reinforcing:

Sı	spende	d slabs d	and joists	3 :		1
Gr	ade bed	ıms, ped	estals, co	olumns, v	walls:	2

- Footings & walls cast against earth: 8. Provide (2) #4 x 48" diagonal corner bars at center of slab at all corners of
- 9. Lap all reinforcement splices 48 bar diameters, UON.
- 10. Detailing, fabrication, & installation of reinforcing steel shall conform to ACI "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (ACI
- 11. Workmanship, tolerances, & concrete placement shall conform to "Standard Specifications for Structural Concrete" (ACI 301).
- 12. Chamfer exposed edges of concrete 3/4", UON.
- 13. Anchor bolts shall conform to ASTM F 1554. Grade 36.
- 14. See architectural plans for floor finishes. Coordinate slab curing & sealing compounds with flooring materials.
- 15. Provide ½" expansion joint material between building and exterior concrete, UON.

D. MASONRY

- 1. Unless otherwise shown, provide control joints in concrete masonry walls at approx 20' OC, & brick expansion joints at approx 40' OC. Coord w/ architect.
- 2. Provide galvanized metal ties at 16" OC each way for all brick veneer, unless otherwise shown on architectural plans.

E. STRUCTURAL STEEL

- 1. Structural steel shall conform to ASTM A 572 except: round pipe shall be A 53, Grade B; square and rectangular tube shall be A 500, Grade B.
- 2. Steel construction shall conform to "Manual of Steel Construction, Allowable Stress Design," Ninth Edition.
- 3. Connection bolts shall be 3/4" ASTM A 325, UON. If connection loads not specified, design for loads shown in AISC beam span tables. Assume bearing type connections with threads included in the shear plane.
- 4. Cutting of structural members shall have all re—entrant corners shaped & notch free to a minimum 1/2" radius.
- 5. Unless otherwise designed by fabricator, weld material shall be E70XX.
- 6. See architectural & other drawings for miscellaneous steel not shown on structural
- 7. Provide cap plate top of all tube & pipe columns, UON.
- 8. All field welds shall be cleaned & painted with a rust inhibiting paint compatible
- 9. Beams & lintels shall bear 8" minimum on masonry, UON.

F. WOOD

- 1. Structural lumber shall be SPF #2 or better, UON. Wood for fabricated trusses shall be SYP #2 or better, except that webs may be SYP #3.
- 2. Wood in contact with concrete or masonry shall be treated.
- 3. Straps, ties, hangers, & other connection hardware shall be galvanized.
- 4. Connections not otherwise detailed shall be in accordance with Tables 2304.9.1.1 thru 2304.9.1.6 of the NC State Building Code.
- 5. Trusses shall be designed for the full dead & live loads specified in the contract. Submit truss shop drawings bearing the seal of a registered professional engineer licensed in the state of NC. Show truss layout & truss designs including required bracing. Bracing design is the truss designer's responsibility.
- 6. Contractor shall install both temporary and permanent bracing. Note that permanent bracing is often shown on individual truss calculation pages instead of

the truss layout sheet, especially where there is no hard ceiling applied to truss.

- 7. Additional bracing may be required by engineer of record as indicated on plans for support of gable walls or other items.
- 8. Install blocking in walls & ceiling where required for partitions, fixtures, & other misc items. Coordinate with all trades.
- 9. Add ½" plywood spacers at multi-ply wood beams & headers to match wall

10. All LVL beams & PSL columns shall meet the following:

	E (psi)	Fb (psi)	Fv (psi)	Fc (psi)
LVL	1,900,000	2600	285	n/a
PSL	1,800,000	2400	190	2500

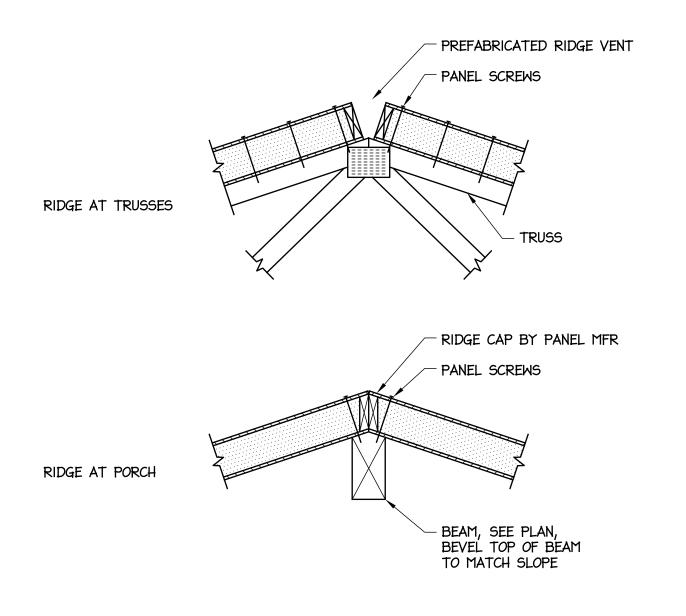
- 11. Attach multiple LVL beams together with (2) Simpson SDW (or equal) screws @ 16" OC along length of beam.
- 12. Countersink bolted beam connections where required to clear architectural finishes.

	MASONRY LINTEL SCHEDULE	
OPENING	STEEL LINTEL	MIN BEARING
0'-0" TO 1'-4"	PLATE 3/8 X 3-1/2	8"
1'-4" TO 4'-0"	L 3-1/2 X 3 1/2 X 5/16	8 ^{II}
4'-0" TO 6'-0"	L 4 X 3 1/2 X 5/16 LLV	8 ^{II}
6'-0" TO 8'-0"	L 5 X 3 1/2 X 5/16 LLV	8"

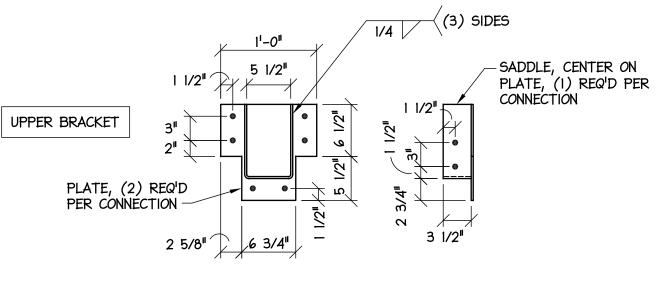
COORDINATE LINTEL SIZES & LOCATIONS W/ ARCHITECTURAL & MECHANICAL PLANS. ALL MECHANICAL OPENINGS SHALL BE PROVIDED W/ LINTELS AS SPECIFIED HEREIN.

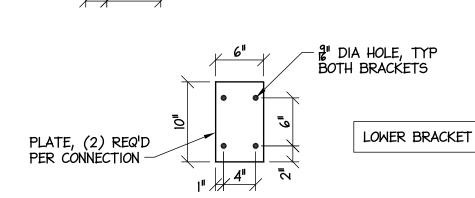
SIZES ABOVE ARE PER 4" OF WALL THICKNESS

- 2. SEE ARCHITECTURAL PLANS FOR REQUIRED CLOSURE PLATES UNDER STEEL LINTELS.
- 3. THIS SCHEDULE APPLIES TO LINTELS NOT SPECIFIED ON PLANS. LINTEL SIZES SHOWN ON PLANS TAKE PRECEDENCE OVER SIZES SPECIFIED ABOVE.

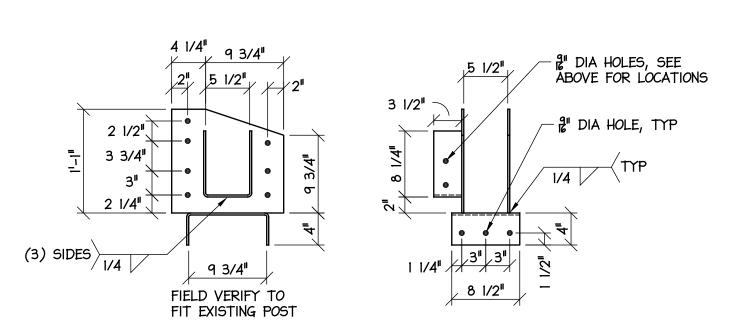






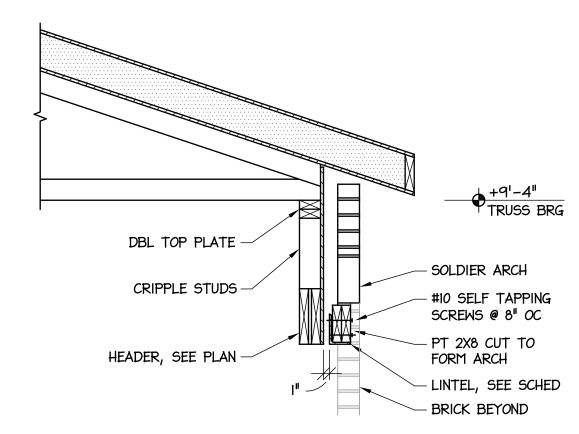


- 1. ALL MATERIAL 🕍 STEEL PLATE.
- 2. VERIFY SIZES W/ TIMBERS.
- 3. PRIME & PAINT BLACK, SEE ARCH.
- 4. PAINT EXPOSED BOLTS TO MATCH.
- CONNECTION BRACKET

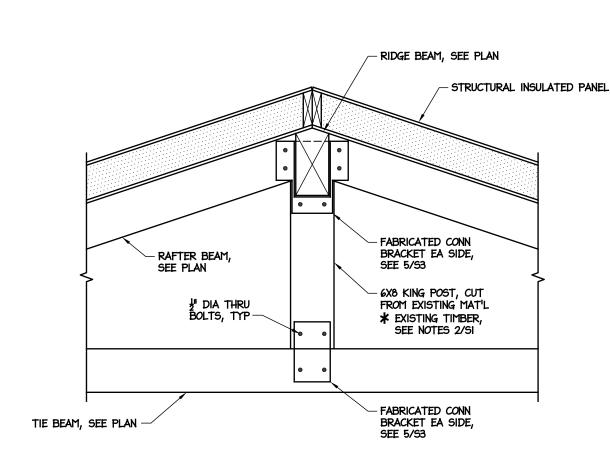


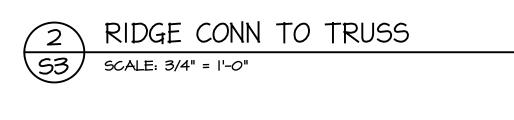
- I. ALL MATERIAL # STEEL PLATE. 2. VERIFY SIZES W/ TIMBERS.
- 3. PRIME & PAINT BLACK, SEE ARCH.
- 4. PAINT EXPOSED BOLTS TO MATCH.
- CONNECTION BRACKET

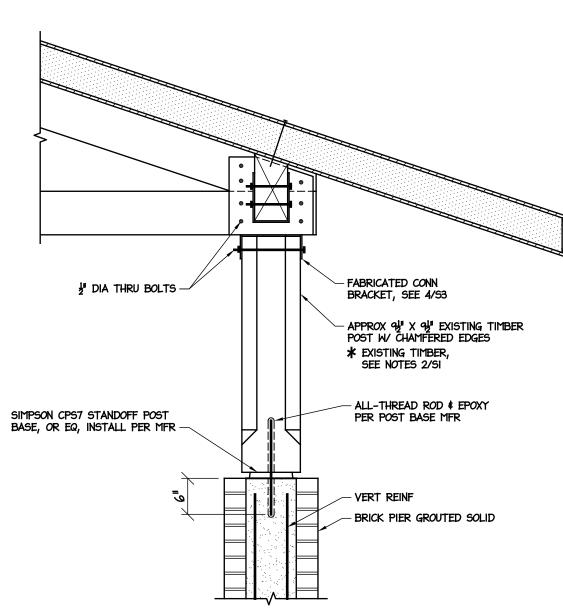
SCALE: |" = |'-0"



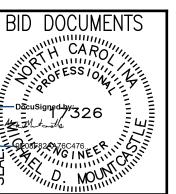








BEAM/TRUSS CONN TO POST SCALE: 3/4" = 1'-0"





Ш EQ.

ENERAL DETAIL. GENER

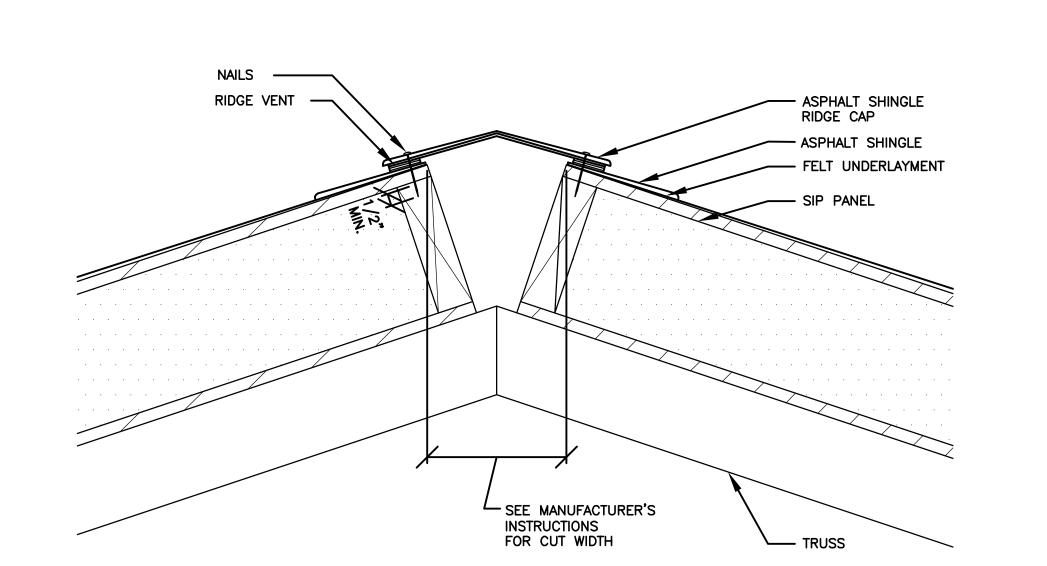
County Vending

Improvements and HIGHW ALAMA $\overline{\forall}$

SCO ID NO. 14-11287-01A REVISIONS DATE

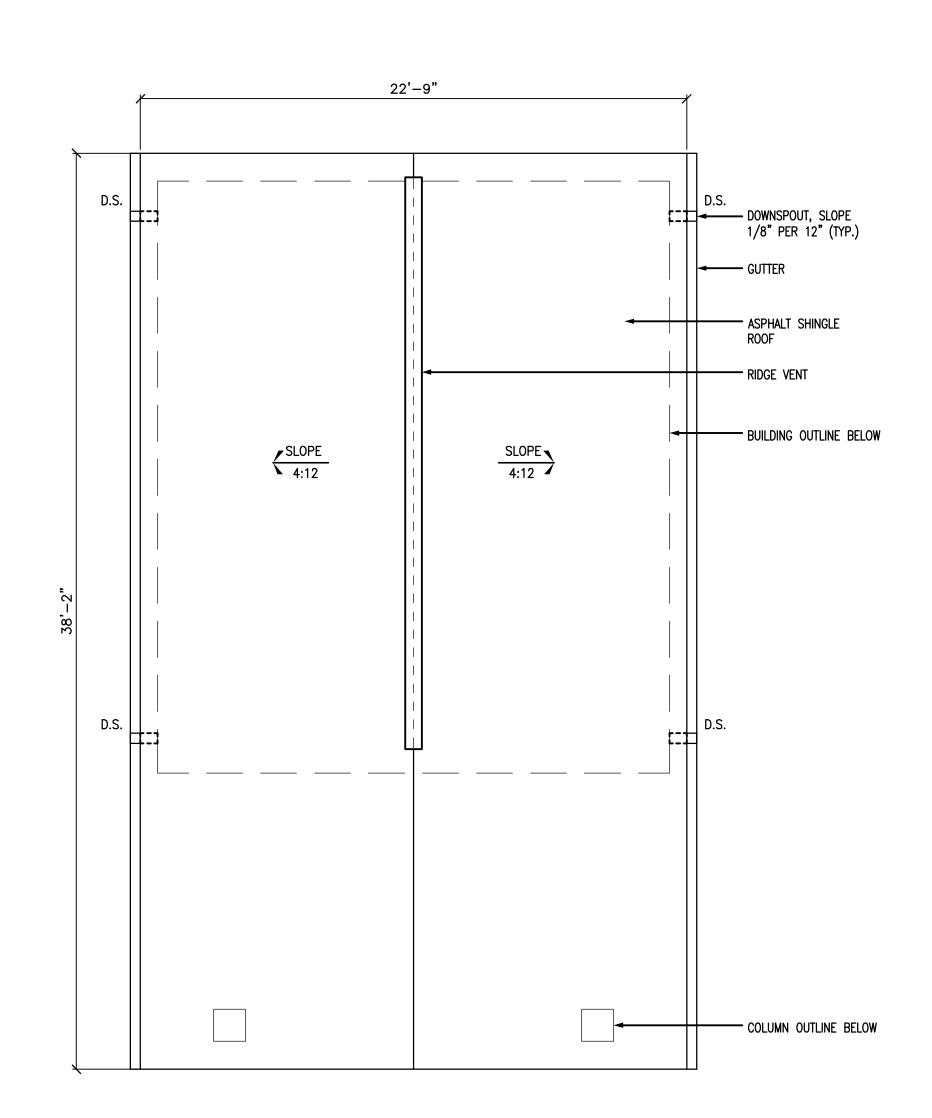
4/23/15 MDM DRAWN BY:

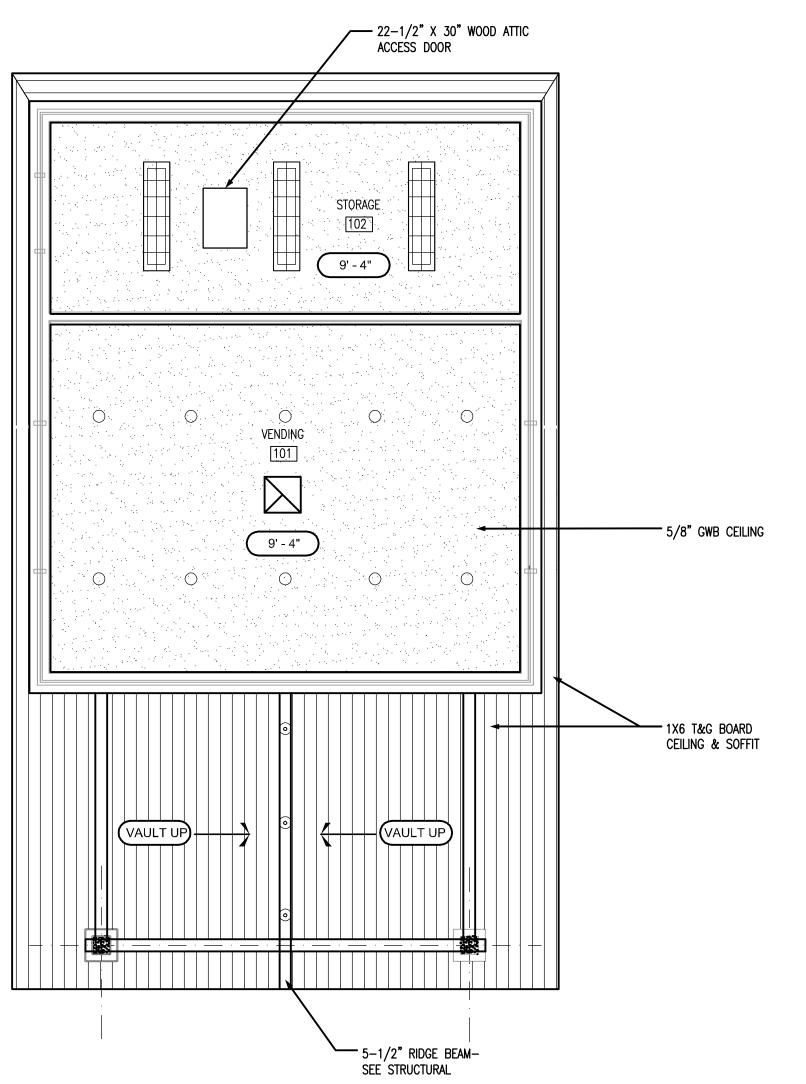
CHECKED BY: MDM SHEET NO.

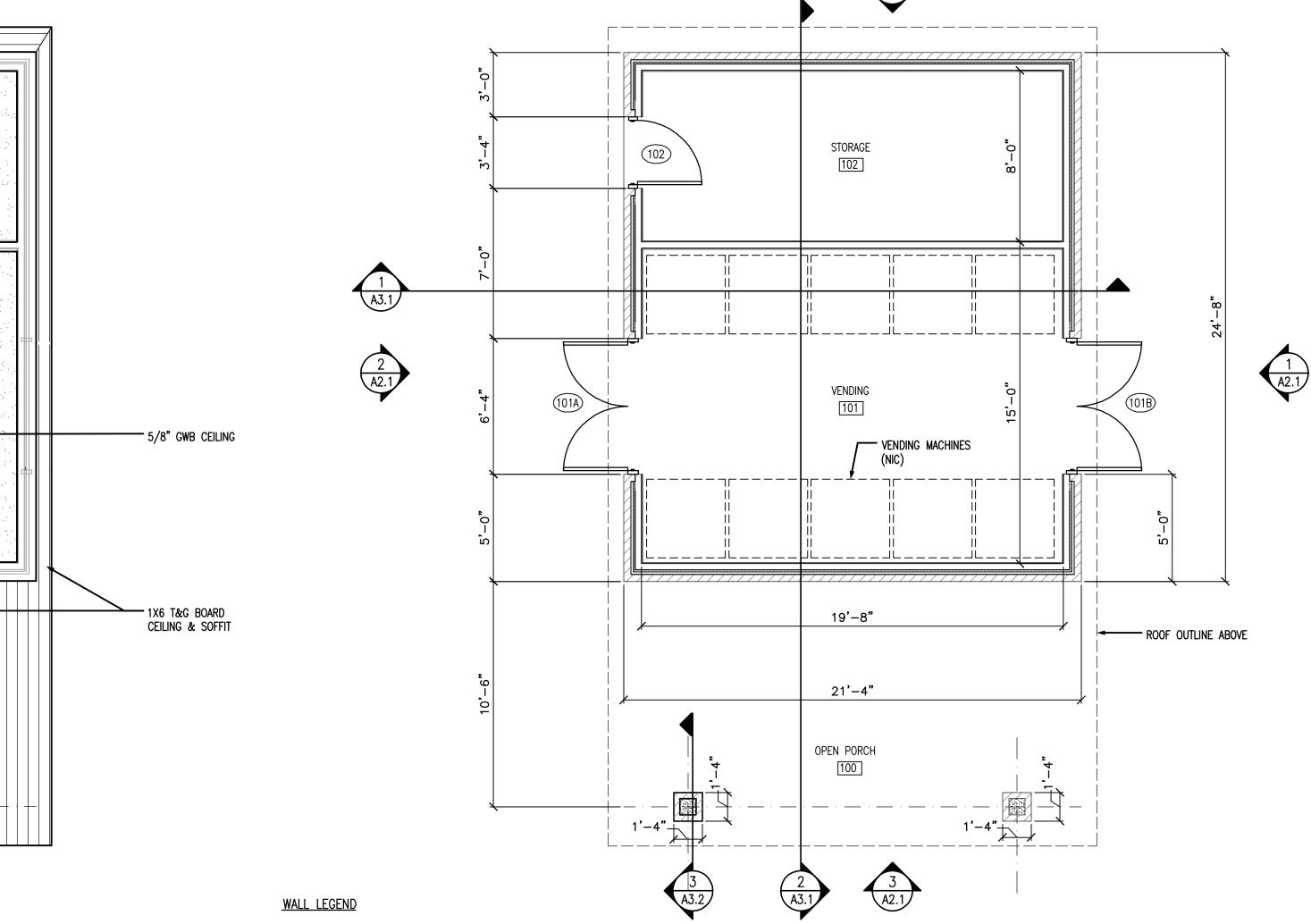


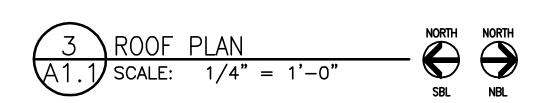
<u>LEGEND</u>

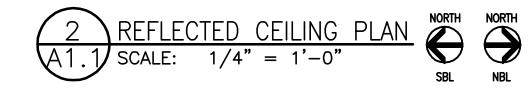
SYMBOL	DESCRIPTION
	48" STANDARD STRIP LIGHT WITH WIRE GUARD
0	6" LED CAN LIGHT
•	WAREHOUSE SHADE BARN LIGHT
	EXHAUST AIR GRILL





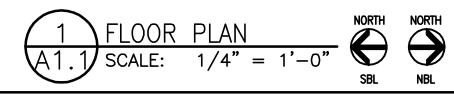






EXTERIOR WALL- 4" WOOD STUDS @ 16" O.C. WITH 1" RIGID INSULATION & 4" EXTERIOR BRICK VENEER

INTERIOR WALL- 4" WOOD STUDS @ 16" O.C.



GENERAL NOTES:

CONTRACTOR SHALL CAULK ALL INTERIOR FLOOR CONTROL AND EXPANSION JOINTS AT FLOORS BEFORE SEALING. REFERENCE STRUCTURAL DRAWINGS FOR LOCATION.

3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND SHALL NOTIFY

ALL WALL DIMENSIONS ARE TO THE FACE OF STUD (F.O.S.), UNLESS OTHERWISE NOTED OR DETAILED.

7. REFER TO DETAIL DWGS FOR ADDITIONAL DIMENSIONS AND WALL TYPE DESIGNATIONS.

2. CONTRACTOR SHALL PROVIDE GYPSUM BOARD CONTROL JOINTS AS INDICATED IN

ARCHITECT OF ANY DISCREPANCIES. DO NOT SCALE DRAWINGS.

6. PROVIDE ACOUSTICAL SOUND BATTS IN ALL INTERIOR STUD WALLS.

MANUFACTURER'S INSTALLATION INSTRUCTIONS.

5. ALL EXTERIOR WALL STUD FRAMING IS 2x4 @ 16" O.C..

BID DOCUMENTS

DESIGN ENGINEERS T DIVISION, NCDOT

PLAN CEILING

PROOR PI REFLECT ROOF PL

1-40/I-85 ALAMANCE COUNTY REST AREA VENDING BUILDINGS

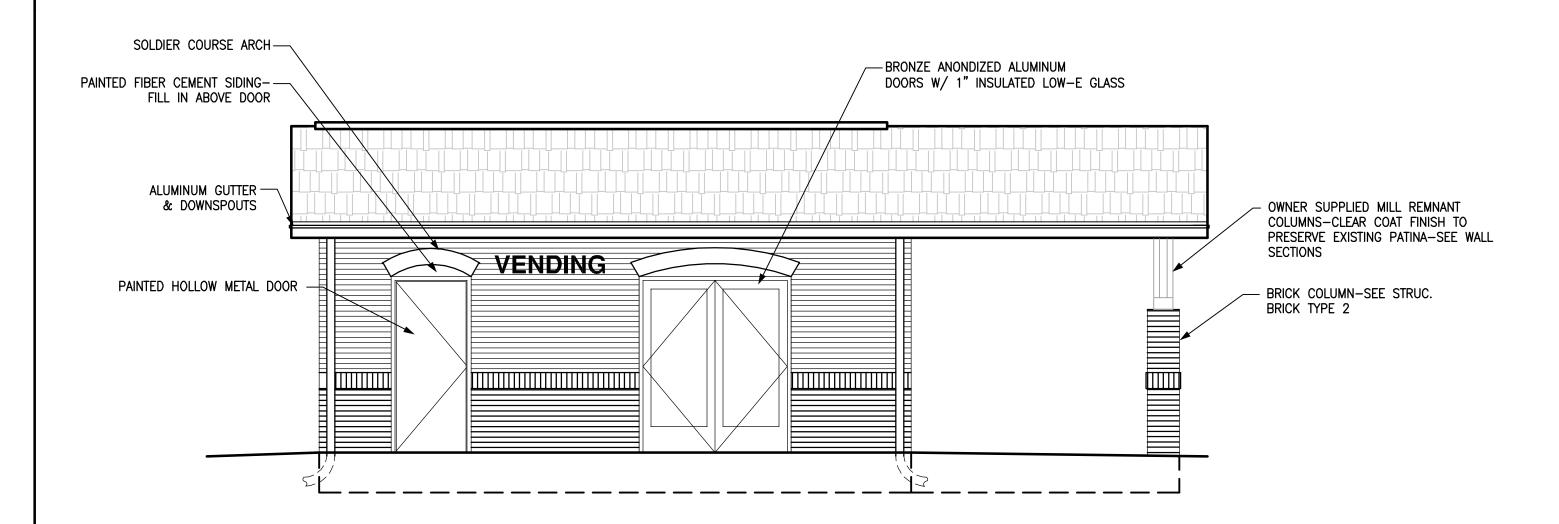
SCO ID NO. 14-11287-01A

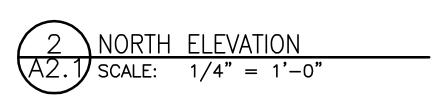
TIP PROJ. NO. 3707.3.23 WBS NO. FEDERAL ID NO. ASSET NUMBER:
CO.# SITE.# BLDG.#
01 • 013 • X REVISIONS NO. DATE

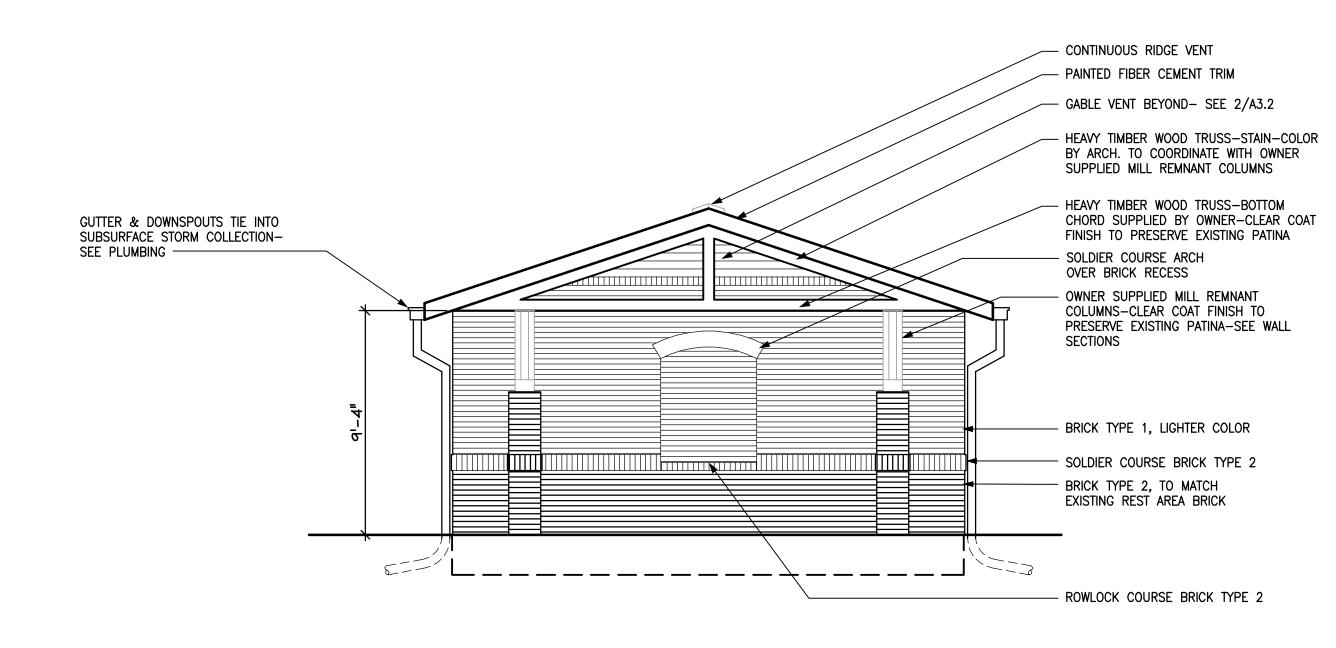
DATE ISSUED: 4-23-15
DRAWN BY: AS
CHECKED BY: LLK
SHEET NO.

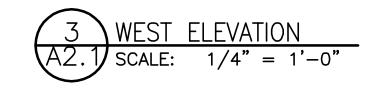
- ROWLOCK COURSE BRICK TYPE 2











SIGNAGE NOTES:

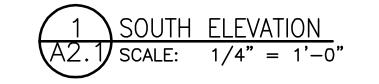
1. SIGNAGE SHALL COMPLY WITH ICC A117.1-2009, CH. 7.

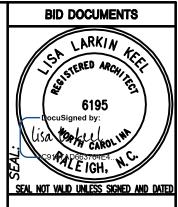
2. INDIVIDUAL METAL LETTERS : 1/4" THICK MILLED BRUSHED ALUMINUM PLATE, DARK BRONZE ANODIZED ALUMINUM. HELVETICA BOLD FONT, 10" TEXT HEIGHT.

5. MOUNT WITH BOTTOM OF LETTERS 7'-6" AFF SO OPENED DOORS DO NOT OBSTRUCT.

— ASPHALT SHINGLE ROOF TO MATCH EXISTING REST AREA ROOF 3. MOUNT WITH 2-1/2" SPACING BETWEEN LETTERS. 4. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION. — SOLDIER COURSE ARCH — PAINTED FIBER CEMENT SIDING— FILL IN ABOVE DOOR - ALUMINUM GUTTER — BRONZE ANONDIZED ALUMINUM & DOWNSPOUTS DOORS W/ 1" INSULATED LOW-E GLASS **VENDING** SIGNAGE, SEE NOTES COVERED PICNIC AREA BRICK TYPE 1, LIGHTER COLOR SOLDIER COURSE BRICK TYPE 2 BRICK TYPE 2, TO MATCH EXISTING REST AREA BRICK FOUNDATION—SEE STRUC.

- CONTINUOUS RIDGE VENT





DESIGN ENGINEERS IT DIVISION NOTITY FACILITIES
ARCHITECTS & E



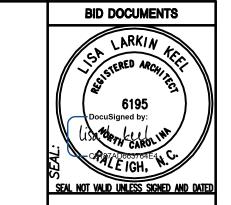
EVATIONS Ш ERIO EXT

PROJECT TITLE:
I-40/I-85 ALAMANCE COUNTY
REST AREA VENDING BUILDINGS

SCO ID NO. 14-11287-01A TIP PROJ. NO. WBS NO. 3707.3.23 FEDERAL ID NO. ASSET NUMBER: CO.# SITE.# BLDG.# 01 • 013 • X REVISIONS NO. DATE

DATE ISSUED: 4-23-15
DRAWN BY: AS
CHECKED BY: LLK

SHEET NO.







ELEVATIONS

EXTERIOR & DETAILS

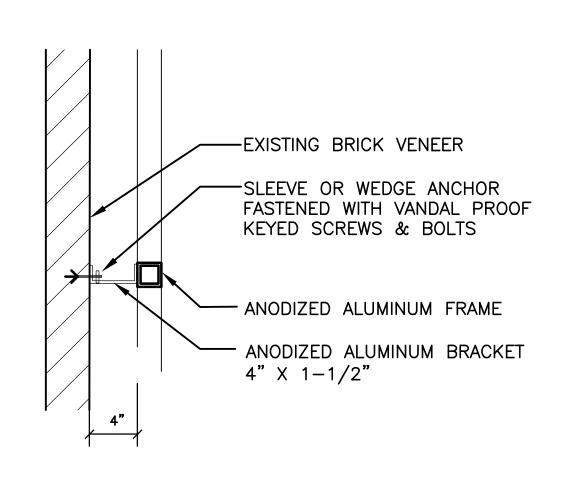
PROJECT TITLE:
I-40/I-85 ALAMANCE COUNTY
REST AREA VENDING BUILDINGS

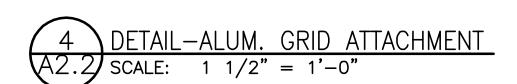
SCO ID NO. 14-11287-01A TIP PROJ. NO. 3707.3.23

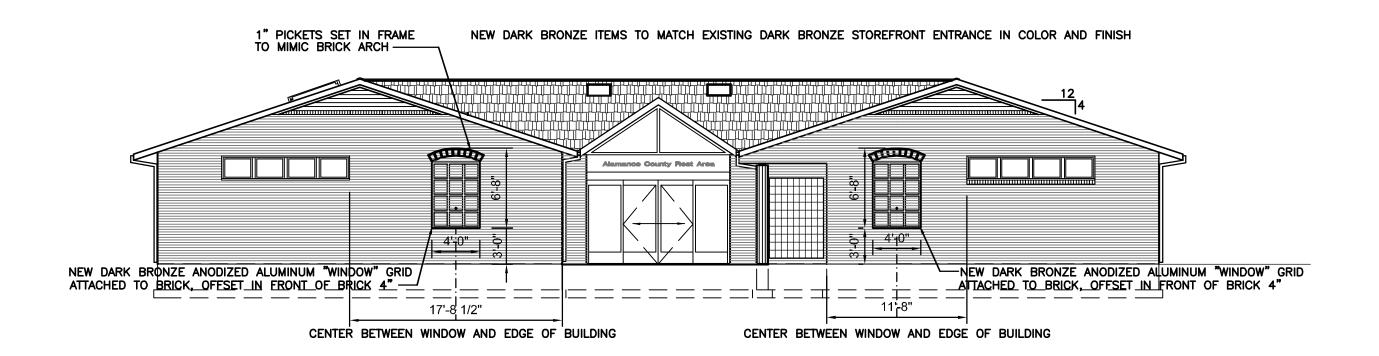
WBS NO. FEDERAL ID NO. ASSET NUMBER: CO.# SITE.# BLDG.# 01 • 013 • X REVISIONS NO. DATE

DATE ISSUED: 4-23-15
DRAWN BY: AS
CHECKED BY: LLK

SHEET NO.

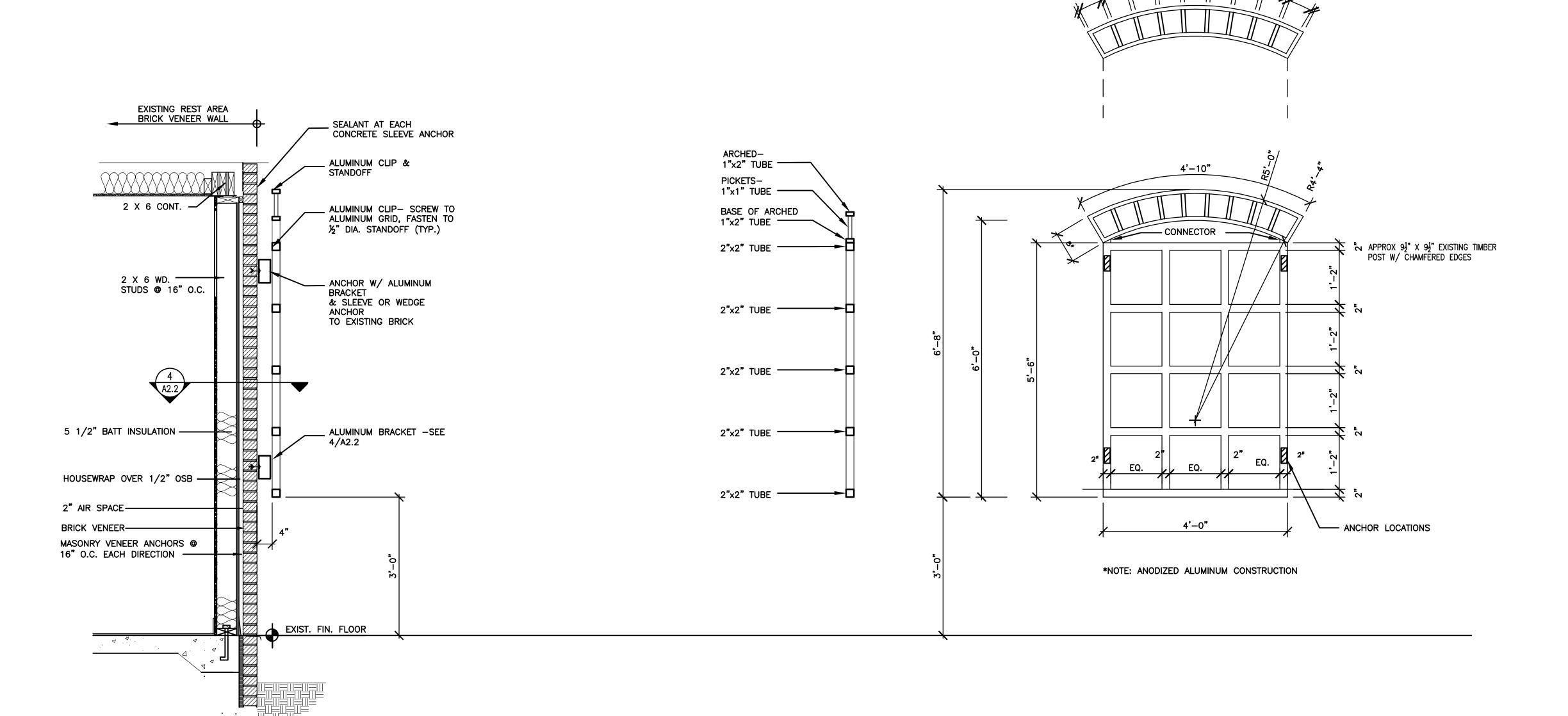


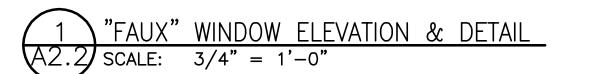


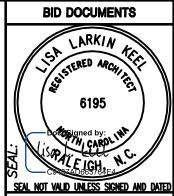


1"x1" PICKETS SPACED EQUALLY

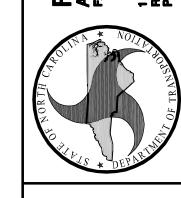








FACILITIES DESIGN ARCHITECTS & ENGINEERS FACILITIES MANAGEMENT DIVISION, NODOT



SECTIONS

BUILDIN

1-40/I-85 ALAMANCE COUNTY REST AREA VENDING BUILDINGS

TIP PROJ. NO. WBS NO. 3707.3.23

FEDERAL ID NO.
ASSET NUMBER:

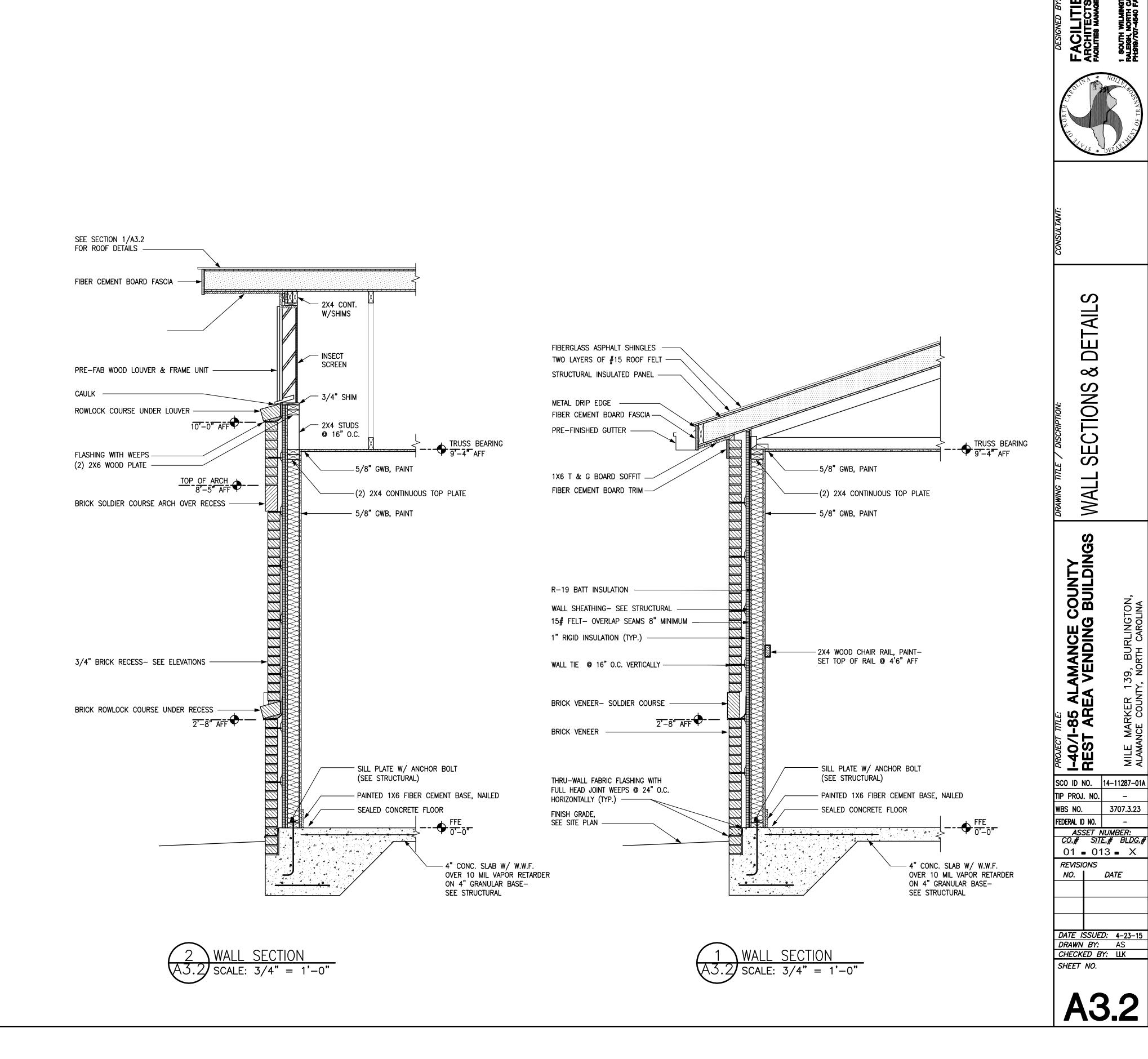
CO.# SITE.# BLDG.#

01 • 013 • X

REVISIONS NO. DATE

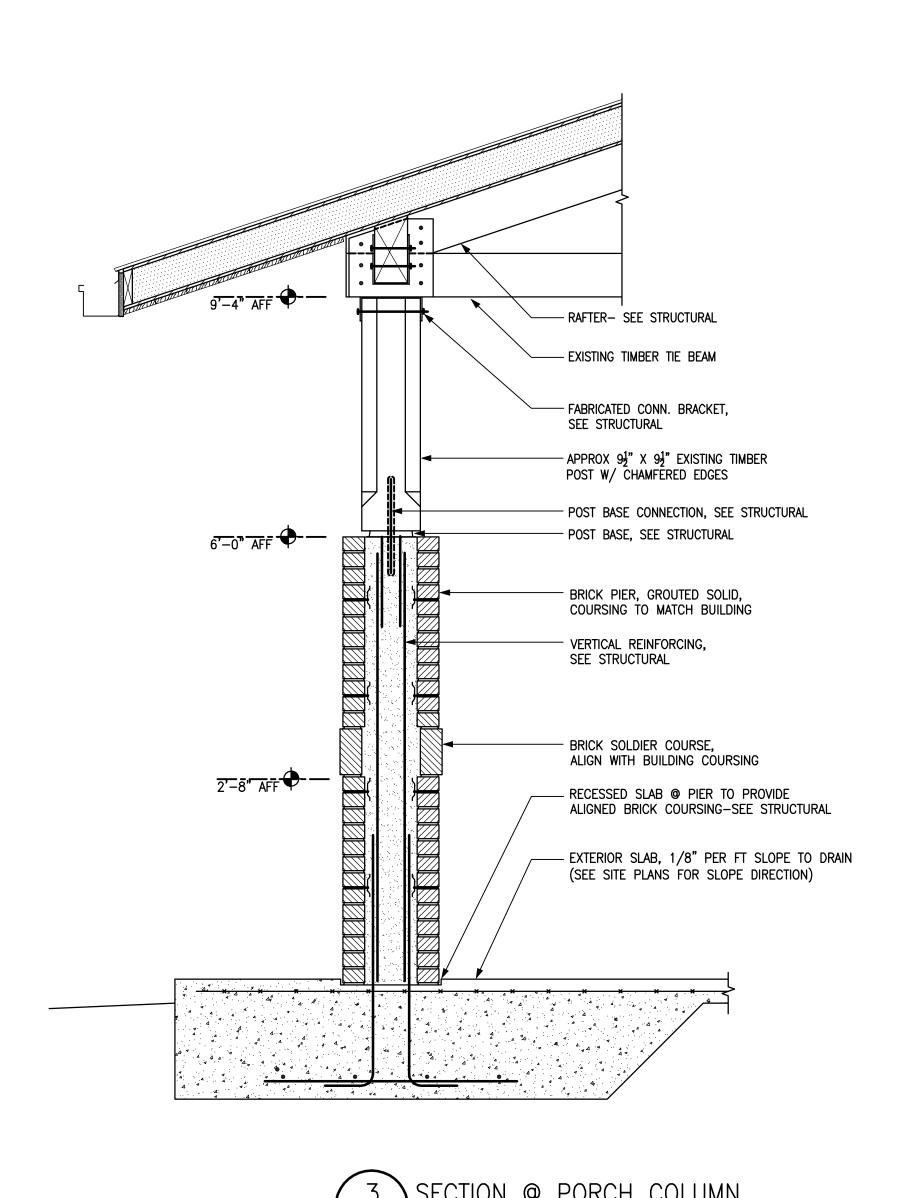
DATE ISSUED: 4-23-15
DRAWN BY: AS
CHECKED BY: LLK
SHEET NO.

A3.1



BID DOCUMENTS

DESIGN ENGINEERS

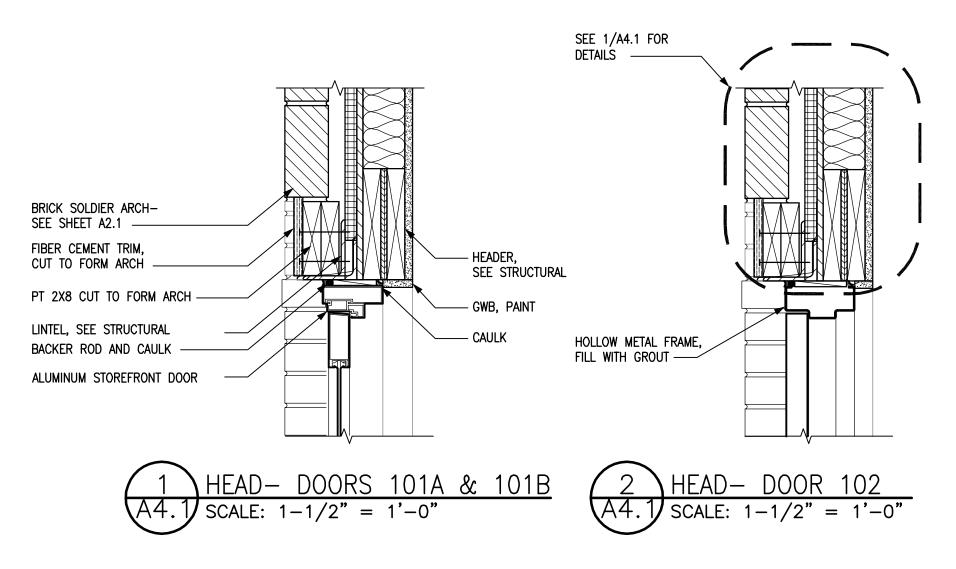


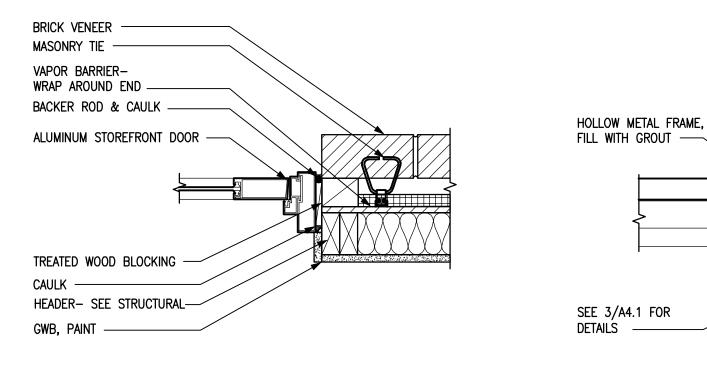
01 = 013 = X

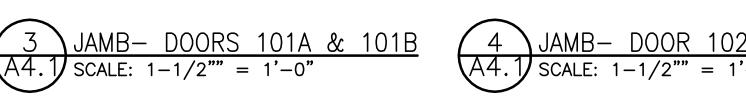
REVISIONS
NO. | DATE

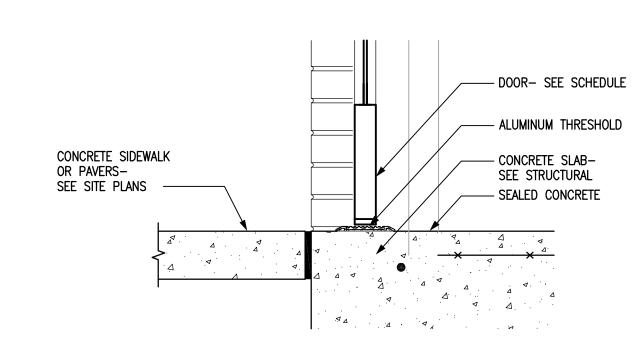
DATE ISSUED: 4-23-15
DRAWN BY: AS
CHECKED BY: LLK

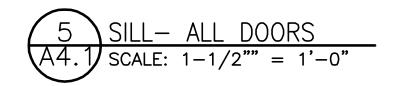
ΔΛ1







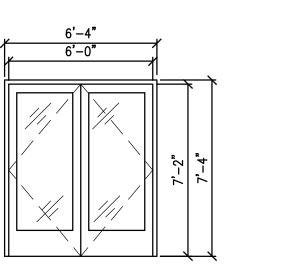




NOTES:

1. SPECIFIED DIMENSIONS ARE FOR DOOR ROUGH OPENING.

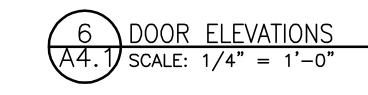
2. SEE THIS SHEET FOR TYP. DOOR FRAMING DETAILS.



1 -0. L

SEE FOLLOWING TYPICAL DOOR FRAMING DETAILS: 1/A4.1— HEAD, 3/A4.1— JAMB, 5/A4.1— SILL

SEE FOLLOWING TYPICAL DOOR FRAMING DETAILS: 2/A4.1— HEAD, 4/A4.1— JAMB, 5/A4.1— SILL



R	ROOM FINISH SCHEDULE:									
2001	FLOOR WALLS CEILING									
ROOM NO.		MATL	BASE	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	MATL	HEIGHT	REMARKS
100	OPEN PORCH	CONC	N/A	_	_	_	-	TGB	VARIES*	* VAULTED- SEE WALL SECTIONS
101	VENDING	SC	FC	PGWB	PGWB	PGWB	PGWB	PGWB	9'-4"	
102	STORAGE	SC	FC	PGWB	PGWB	PGWB	PGWB	PGWB	9'-4"	

FINISH LEGEND:

<u> </u>	LOOR FINISH	BASE FINISH	<u>WALL FINISH</u>	CEILING FINISH
C(DNC CONCRETE, BROOMED FINISH C SEALED CONCRETE	FC FIBER CEMENT	PGWB PAINTED GYPSUM WALL BOARD	PGWB PAINTED GYPSUM WALL BOARD TGB TONGUE & GROOVE BOARD

	DOOR & FRAME SCHEDULE									
	DOOR FRAME HARDWARE HEAD JAMB SILL REMARKS									
DOOR NO	SIZE	MAT.	FINISH	MAT.	FINISH	GROUP (SEE NOTE 1)	SEE	SHEET	A5.1	
101A	(2) 3'-0"x7'-0"x1 3/4"	ALUM./ GLASS	DARK BRONZE	ALUM.	CLEAR ANOD.	HW-1	1	3	5	
101B	(2) 3'-0"x7'-0"x1 3/4"	ALUM./ GLASS	DARK BRONZE	ALUM.	CLEAR ANOD.	HW-1	1	3	5	
102	3'-0"x7'-0"x1 3/4"	НМ	PAINT	H.M.	PAINT	HW-2	2	4	5	

GENERAL NOTES - PLUMBING

1. PREPLAN ALL WORK PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY PART OF THE WORK DESCRIBED BY THIS DRAWING. 2. IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS WITH EXISTING FIELD CONDITIONS OR THE WORK OF OTHER TRADES. 3. RESOLVE ALL CONFLICTS PRIOR TO INCURRING ANY MATERIAL OR LABOR EXPENSES.

4. COMPLY WITH THE MANUFACTURER'S TECHNICAL INSTRUCTIONS WHEN INSTALLING PLUMBING FIXTURES, MATERIALS, AND DEVICES. 5. LOCATE FIXTURES AND EQUIPMENT GENERALLY AS SHOWN ON THE PLANS; HOWEVER, COORDINATE LOCATIONS WITH ACTUAL FIELD CONDITIONS TO PRESERVE ALL CODE—REQUIRED AND MANUFACTURER—REQUESTED SERVICE CLEARANCES.

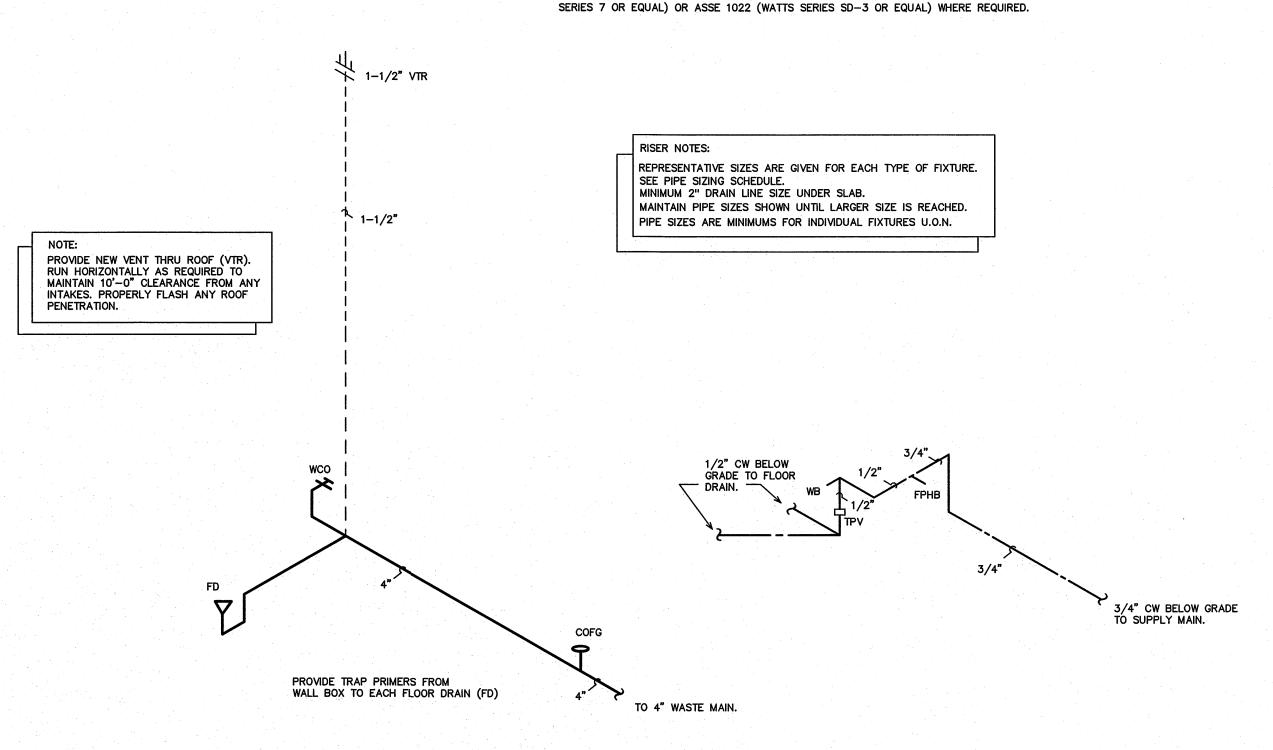
6. COORDINATE ROUTING OF ALL PIPING WITH BUILDING STRUCTURE AND WITH THE WORK OF OTHER TRADES. OFFSET VENT PIPING AROUND BEAMS AND JOISTS AS NECESSARY. 7. AT EXTERIOR WALL, INSTALL WATER PIPING ON HEATED SIDE OF WALL INSULATION. 8. PROVIDE WATER HAMMER ARRESTORS AT THE END OF EACH COLD WATER BRANCH RISER. SIZE ARRESTOR APPROPRIATELY. 9. PROVIDE CONCRETE RING FOR ALL EXTERIOR CLEAN-OUTS. 10. REVIEW SITE PLAN FOR UTILITIES AND ORIENTATION PRIOR TO START OF WORK. 11. G.C. TO PROVIDE ROOF PENETRATIONS.

	PLUMBING FIXTURE SCHEDULE *						
MARK	DESCRIPTION	ALTERNATE MANUFACTURER/MODEL	ALTERNATE MANUFACTURER/MODEL				
FD	FLOOR DRAIN ZURN ZN-415 WITH DEEP SEAL P-TRAP, 5" X 5" TYPE "S" SQUARE STRAINER AND 3" CONNECTION, VANDAL-PROOF TOP.	JOSAM #30000-S.	JAY R. SMITH #2005-B.				
VB	VALVE BOX OATEY GALVANIZED METAL VALVE BOX #38686 WITH 1/4" TURN BRASS BALL VALVE.	IPS GUY GRAY #MIB1AB	LSP # OB-504				
FPHB	FREEZE-PROOF HOSEBIBB ZURN Z-1320-C, 3/4" NON FREEZE WALL HYDRANT WITH VANDAL RESISTANT VACUUM BREAKER. ENCASED WITH KEY LOCK.	JAY R. SMITH #5509QT.	WATTS HY-725.				
ΤΡV	TRAP PRIMER VALVE PPP INC. MODEL# PR-500, 1/2" INLET, 1/2" OUTLET	JOSAM #88300.	WATTS #A200.				

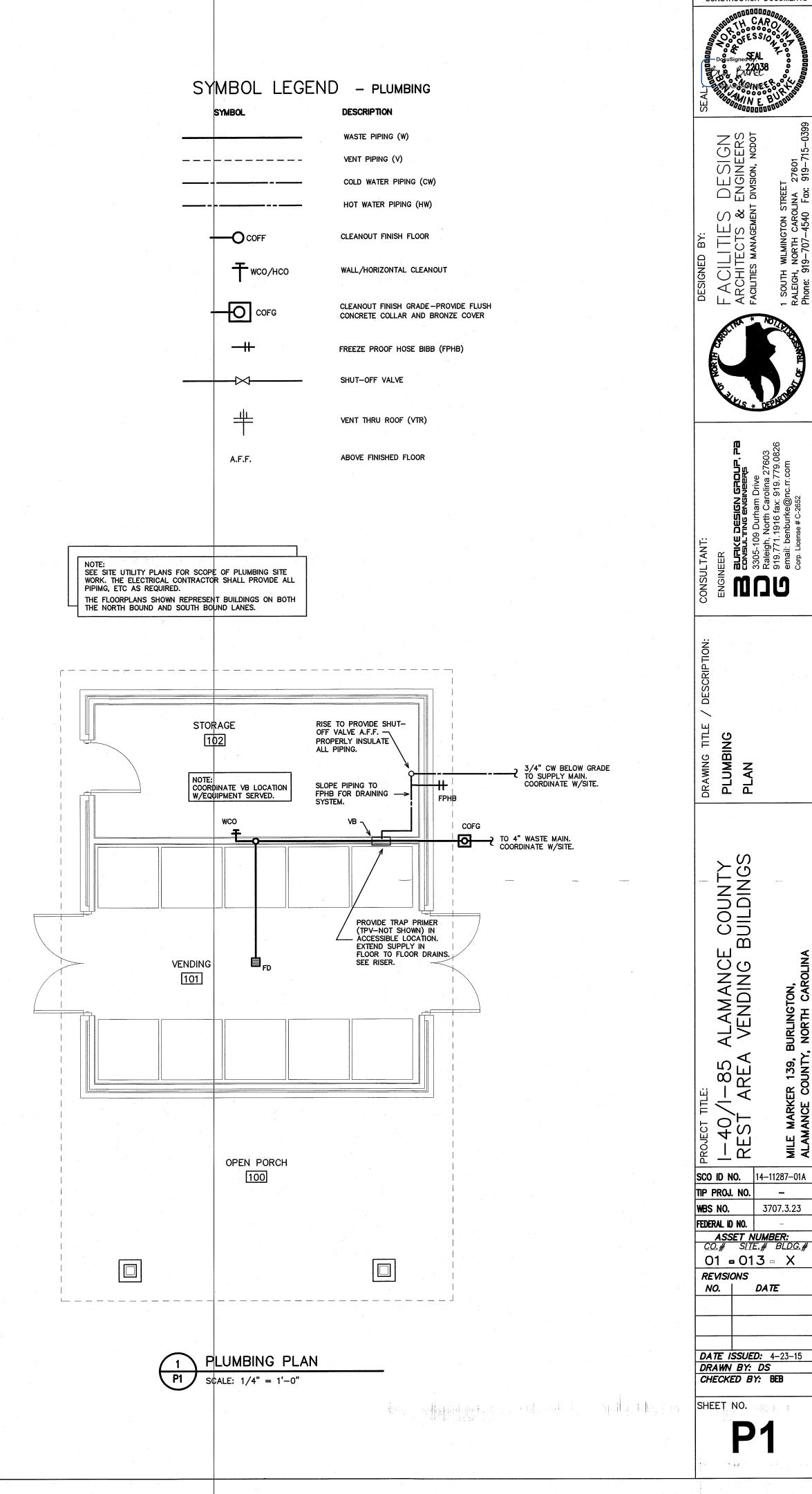
(VERIFY ALL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN)

PIPE SIZING SCHEDULE							
FIXTURE TYPE	DRAIN	VENT	CW	HW			
(FPHB) FREEZE PROOF HOSE BIBB	-		1/2"	-			
(VB) VALVE BOX	-		1/2"*	_			
(FD) FLOOR DRAIN	3"	1 1/2"	-	-			

PROVIDE BACKFLOW PREVENTER PER NCSBC-PLUMBING SECT. 608.3, AND ASSE 1024 (WATTS







CONSTRUCTION DOCUMENTS

DESIGN ENGINEERS T DIVISION, NCDOT

FACILITIES ARCHITECTS & FACILITIES MANAGEMENT

/I-85 ALAMANCE COUNTY AREA VENDING BUILDINGS

1–40, REST

3707.3.23

ASSET NUMBER:
CO.# SITE.# BLDG.#

DATE

01 = 013 = X

P1

REVISIONS NO.

* OR APPROVED EQUAL

EXH	AUST FAN EQUIPMENT SCHEDULE
EF-1	
EXHAUST FAN (EF-1)	* CARNES MODEL# VIBK10-M2 IN-LINE DIRECT DRIVE EXHAUST FAN, 500 CFM @ 3/8" SP, 1000 RPM, 1/3 HP, 115V. 1 PHASE. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE SWITCH AND WIRE THE UNIT. THE HVAC CONTRACTOR SHALL PROVIDE VIBRATION ISOLATION ON (4) FOUR THREADED ROD SUPPORTS, DISCONNECT SWITCH ON FAN HOUSING. LOCATE EXHAUST TERMINATION A MINIMUM OF 10'-0" FROM ANY INTAKES. PROVIDE FACTORY SPEED CONTROLLER FOR BALANCING ONLY.

* OR APPROVED EQUAL BY GREENHECK, OR PENN FANS.

<i> </i>	AIR DIS	TRIBUT	TON SC	HEDU	LE		
MARK	* MANUFACTURER	MODEL NO.	FACE SIZE	MATERIAL	SERVICE	NOTES	
EA	CARNES	RATA	18" X 18"	ALUMINUM	EXHAUST	WHITE, GYPSUM BOARD CEILING	ı

COORDINATE BORDER TYPE WITH THE CEILING TYPE. SEE ARCH SHEETS. PROVIDE CUT SHEETS TO OWNER/ARCH. PRIOR TO ORDERING. * OR APPROVED EQUAL BY TUTTLE & BAILEY, OR METALAIRE

** PROVIDE ROUND TO RECTANGULAR DUCT TRANSITION ON GRILLE.

MECHANICAL SYSTEMS AND EQUIPMENT

METHOD OF COMPLIANCE: Prescriptive X Energy Cost Budget

Thermal Zone Exterior Design Conditions winter dry bulb 22 F summer dry bulb 94 F

Interior Design Conditions winter dry bulb summer dry bulb relative humidity

8,400 BTU/hr Building Heating Load **Building Cooling Load** 11,800 BTU/hr

Chiller - Not applicable to this project.

Motors used on this project are included

Equipment schedules with motors.

Mechanical Spacing Conditioning System Unitary - The building is served by (1) 1.5 ton ductless split system heat pump Boiler - Not applicable to this project.

Equipment efficiencies Efficiencies and outputs are listed on equipment schedules - See drawings.

in the efficiency rating of the unit. See drawings for efficiencies.

KEY NOTES FOR 1/M1

- (1) HEAT PUMP UNIT MOUNTED ON A 4" "POURED IN PLACE" CONCRETE PAD.
- 2 RUN THE REFRIGERANT LINES CONCEALED IN THE EXTERIOR WALL. SEAL WALL PENETRATION. PAINT ALL EXPOSED, EXTERIOR INSULATION WITH UV RESISTANT PAINT.
- 3 DUCTLESS SPLIT SYSTEM FAN COIL UNIT MOUNTED ON WALL WITH TOP AT 12"
- 4 RUN CONDENSATE DRAIN TO THE EXTERIOR. CONCEAL IN EXTERIOR WALL. INSULATE THE ENTIRE LENGTH. TURN DOWN INTO THE PLANTING AREA.
- (5) WALL MOUNTED THERMOSTAT. MOUNT AT 48" AFF.
- 6 IN-LINE EXHAUST FAN ABOVE CEILING. SUPPORT FROM STRUCTURE WITH (4) 3/8" ALL THREADED STEEL RODS. PROVIDE VIBRATION ISOLATION ON EACH ROD. MOUNT AS HIGH AS POSSIBLE
- 7 RUN DUCT ABOVE VENDING CEILING. DROP DOWN AS REQUIRED IN STORAGE ROOM TO ALLOW DUCT CONNECTION TO FAN. TRANSITION BACK UP TO EXTERIOR GABLE VENT.
- 8 TRANSITION DUCT AS REQURIED TO EXTERIOR GABLE VENT.
- RUN 24 X 18 DUCT TO BACK OF EXTERIOR GABLE VENT. PROVIDE SCREEN WIRE OVER END OF DUCT. SECURELY FASTEN DUCT TO VENT.
- MOUNT THERMOSTAT ON WALL ABOVE TOP OF VENDING MACHINE.

LEGEND - MECHANICAL

12" DIA. RIGID ROUND GALVANIZED STEEL DUCTWORK

THERMOSTAT

3/4 IN PVC CONDENSATE DRAIN PIPING

DESIGN ENGINEERS T DIVISION, NCDOT

CONSTRUCTION DOCUMENTS

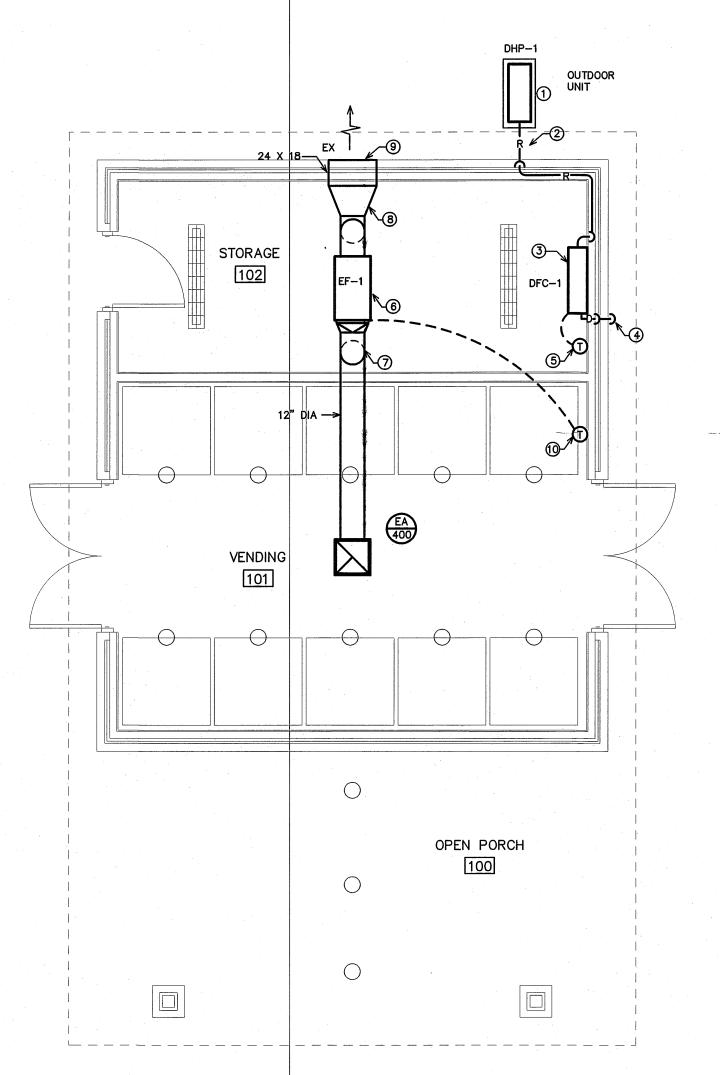
ALAMANCE COUNTY VENDING BUILDINGS I-85 AREA

1–40, REST SCO ID NO. 14-11287-01A TIP PROJ. NO. 3707.3.23 WBS NO. FEDERAL ID NO.

ASSET NUMBER: CO.# SITE.# BLDG.# 01 = 013 = X REVISIONS NO. | DATE

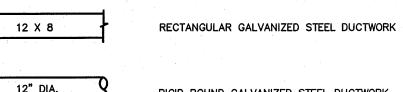
DATE ISSUED: 4–23–15 DRAWN BY: WBE CHECKED BY: BEB

SHEET NO.



HVAC PLAN

S¢ALE: 1/4" = 1'-0"



EXHAUST GRILLE

MOUNT AT 48" AFF

REFRIGERANT PIPING

DIVISION 16 - ELECTRICAL

- PART 1 GENERAL 1.1 DESCRIPTION OF THE WORK
- A. Work under this section includes, but is not necessarily
- limited to, furnishing and installing the following: 1. Lighting and power distribution system. 2. Provide lighting fixtures per light fixture schedule
- with lamps to match.
- 3. Wiring devices, boxes, cover plates, etc. 4. Source of power for all items of equipment.
- Grounding. 6. Other requirements and/or systems where shown.
- B. All work shall be complete and items, equipment, etc., shall be electrically connected for proper and correct
- C. All work under this contract shall be installed in accordance with the latest edition of the following codes and
- standards insofar as they apply:
- 1. The 2011 National Electrical Code
- 2. The National Electrical Safety Code 3. Underwriter's Laboratories, Inc., Standards and
- approved listings or other approved 3rd party listing agency.
- 4. Electrical Testing Labatories standards. 5. 2012 North Carolina State Building Code. 6. 2012 North Carolina State Energy Code.
- D. The Electrical Contractor shall be licensed in the State of North Carolina and have all local licenses required for the work.
- E. Local permits are not required. All work must be inspected by the Office of State Construction state electrical inspector and the Engineer of Record. Provide certificate of inspection and approval from the state electrical inspector prior to the final inspection. The electrical contractor is responsible for contacting the state electrical inspector for all required inspections.
- F. All work shall be done by skilled mechanics and shall present a neat, trim, workmanlike condition when complete.
- G. All wiring must be tested, including phase conductors and grounding and the results documented prior to the final inspection.

- A. The intent of these specifications and the accompanying drawings is to convey as reasonably as possible the requirements for a complete job ready for the building to operate. The Electrical Contractor shall take this into consideration and include in his base bid allowance for contingencies as will allow him to provide minor pieces of equipment and labor not specifically indicated but required for the job to operate properly, at no additional cost to the Owner.
- 1.3 COORDINATION
- A. Coordinate work with other contractors. Notify Architect of apparent conflicts early to expedite construction. If structural damage appears imminent, stop work and notify Architect for a decision before resuming
- B. Locations shown are approximate. The drawings do not give exact details as to elevations and locations of various pipes, fittings, ducts, conduit, etc., and do not show all offsets and other installation details which may be required. Coordinate all locations with architect before any rough-in.

1.4 SHOP DRAWINGS

A. Shop drawings shall be submitted for panels and service equipment lighting, wiring devices, and cover plates. These may consist of the manufacturer's standard catalog or tear sheets and shall have the exact items being offered clearly identified.

2.1 GENERAL

approved design.

- A. All material shall be new and shall bear the manufacturer's name, trade name, and be third party acceptable to NCDOI listed and labeled where such standard has been established for the particular material. Materials shall be the standard products of manufacturer's regularly engaged in the manufacturer of the required type of equipment and the manufacturer's latest
- 1. Boxes installed in concealed locations shall be set flush with the finished surfaces. 2. Provide rated boxes in all fire barriers & walls installed per code.

LAY-IN CEILING

2.2 CONDUCTORS

Ground- Green

- A. Conductors shall be color coded, sizes #4 and larger may be color taped on the job. Color coding shall comply with 2011 NEC 200.6. Phase A- Black
- B. Conductors shall be manufactured by Dodge, Southwire or approved equal. Conductors shall meet the latest requirements of NEMA and IPCEA and shall be third party acceptable to NCDOI approved. The insulation type for interior wiring shall be dual rated THHN/THWN or XHHW. provide individual neutral for each circuit.
- C. Metallic sheathed "MC" cable should not be used for this project, without designer authorization. MC cable is allowed for light whips 6'-0" or less and where concealed with-in existing construction to minimize demolition work. If used, MC cable shall be 1/2" with minimum #12 AWG copper wire and green insulated copper ground.
- D. Conductors shall be spliced and taped as follows: 1. Size #10 and #12, use Ideal "Wing Nuts". "Piggy" connectors shall not be used. Connectors shall be rated for
- 150 degrees C for use in recessed lighting fixtures. 2. Size #8 and larger shall be solderless screw and screw-clamping type, smoothly covered and shaped with rubber gum type with final cover vinyl plastic

electrical type. In lieu of rubber gum and vinyl

- plastic type, factory fabricated approved preformed insulating covers may be used. All connectors shall be UL approved.
- 3. No split-bolt type connectors may be used. E. All branch wire and connections shall be copper and sized per
- National Electric Code. F. All conductors shall be continuous without splice between junction, outlet, device boxes, etc. No splicing will be permitted in
- panelboard cabinets, safety switches, etc.
- G. All wiring in mechanical spaces shall be plenum rated.
- H. Provide GFI protection within 6'-0" of any sink. I. All multi-wire branch circuits shall comply with 2011 NEC, 210.4(B).
- 2.3 PANELBOARDS, SAFETY SWITCHES
- A. Panelboards shall comply with NEMA Standard PB 1 Latest Edition and as manufactured by Cutler Hammer, Square D or ITE—Siemens. All panel boards must have copper buses with bolt on breakers
- B. Safety switches shall be heavy duty type, size and rating as required for lead service. Safety switches shall be fused or unfused as shown and/or as required. Safety switches serving motor loads shall be horsepower rated for load served.
- 2.4 WIRING DEVICES
- A. Wiring devices shall be commercial grade by Bryant, Leviton, or approved equal. With matching cover. Color by Architect.
- B. Wiring devices installed under a Kitchen Hood shall have stainless steel covers.
- C. Wiring devices installed over counters shall comply with ANSI A117.1.
- D. All wiring devices must have a dedicated green ground screw Self-grounding type is not acceptable.

A. PVC conduit will be allowed under slab. Provide rigid turn-ups. B. All exposed conduit shall be rigid where exposed to the elements, located less than 8'-0" above grade or where exposed to hazardous conditions.

PART 3 - EXECUTION

- 3.1 CIRCUIT GROUNDING
- A. All circuits shall contain an insulated, green, copper grounding conductor, sized in accordance with Table 250-122 of the NEC. Grounding conductors shall be connected to equipment grounding bus in panelboard and securely attached and grounded to the
- device or enclosure at the other end. 3.2 GROUNDING TYPE CONVENIENCE OUTLETS AND SWITCHES
- A. Outlets and switches shall be solidly grounded to equipment grounding system with a green colored insulated conductor. Electrical connections shall be continuous from equipment ground bus in panelboard to the hex nut on the convenience outlet or switch.

A. All motors shall be connected to conduit system with short length

-NO PIPING, DUCTS, OR EQUIPMENT

ELECTRICAL EQUIPMENT SPACE SHALL

BE NOT LESS THAN THE WIDTH AND DEPTH OF THE EQUIPMENT.

SHALL PENETRATE THIS ZONE.

-SPACE CONTINUES THRU

SUSPENDED CEILING.

- DEDICATED ELECTRICAL

- FLOOR

ELECTRICAL EQUIPMENT DEDICATED SPACE

PER ARTICLE 110.26.F.1 OF N.E.C.

SPACE-ABOVE AND BELOW

FOREIGN TO THE ELECTRICAL INSTALLATION

(minimum length 24" and maximum length 36") of flexible liquidtight

3.4 EQUIPMENT LABELING

- A. Provide permanent penolic plastic name plates for all panelboards, safety switches, wiring troughs, etc., for identification of equipment controlled, services, etc. Nameplates shall be securely and permanently attached to equipment with stainless steel, self tapping screws. Nameplates shall include the name of the equipment and where it is fed from. Color Coding-Blue surface with white core- 120/208v equipment Black surface with white core- 277/480v equipment Bright red surface with white core— fire alarm systems Dark red surface with white core— security systems Green surface with white core- "emergency" systems Orange surface with white core— telephone systems Brown surface with white core— data systems White surface with black core—paging systems
- B. All switch plates, receptacle plates and outlet covers shall be labeled with machine printed vinyl labels identifying the circuit(s) within.
- C. All empty conduit runs shall be identified and indicated
- where they terminate D. Provide typewritten directory in each panelboard to

clearly identify each circuit, service, etc.

Purple surface with white core— TV systems

3.5 JUNCTION AND/OR PULL BOXES

A. Boxes shall be installed where necessary to avoid excessive runs and/or too many bends between outlets.

3.6 PULL WIRE

A. Leave pull wire in each empty conduit run.

- A. All grounding shall be in accordance with Article 250 of the NEC.
- In addition, the following requirements shall be met: 1. Grounding conductors shall be installed as to permit the shortest and most direct path from equipment to ground. All connections to grounding conductors shall be accessible.
- 2. Equipment ground continuity shall be maintained through
- flexible metal conduit. 3. All wiring devices equipped with grounding connection shall be solidly grounded to ground system with grounding conductors.
- 4. The frame of all lighting fixtures shall be securely grounded to the equipment ground system with grounding conductors. 5. All equipment enclosures, and non-current-carrying metallic
- parts of electrical equipment, raceway systems, etc., shall be effectively and adequately bonded to ground. 6. All equipment enclosures, and non-current-carrying metallic parts of electrical equipment, raceway systems, etc., shall be
- effectively and adequately bonded to ground. 7. The reaceway system shall not be relied on for ground continuity A green grounding conductor, properly sized per NEC table 250-122, shall be run in all power raceways.

3.8 ELECTRICAL WORK IN CONNECTION WITH OTHER WORK

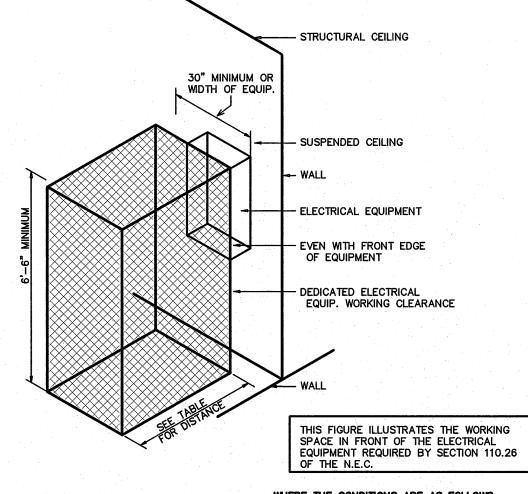
A. The trade(s) furnishing equipment will provide disconnect switches, motor starters, and make final equipment connections. ELECTRICAL CONTRACTOR will make line side connections to disconnect switches or motor starters.

3.9 CLEAN UP

A. During construction, keep the site clean of debris. Upon completion, and before final inspection, clean up the premises to remove all evidence of work. In addition upon completion of construction leave equipment clean.

3.10 GUARANTEE

A. Guarantee all materials and labor included in the electrical work for a period of one year from date of final acceptance by the Owner. Any part or parts of the work or equipment which prove to be defective during the guarantee period shall be replaced at no additional cost to the Owner.



ELECTRICAL EQUIPMENT WORKING CLEARANCE PER ARTICLE 110.26 OF N.E.C.

TEN ANTICLE 110.20 OF N.E.O.							
	WORKING (LEA	RANCES				
VOLTAGE TO	MIN. CLEAR DISTANCE IN FEET						
GROUND NOMINAL	CONDITION:	1	2	3			
0–150 151–600	to get the first of the control of the control of	3 3	3 3–1/2	3 4			

WHERE THE CONDITIONS ARE AS FOLLOWS:

- EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE THAT ARE EFFECTIVELY GUARDED BY INSULATING MATERIALS. 2 EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE. CONCRETE, BRICK OR TILE
- WALLS SHALL BE CONSIDERED AS GROUNDED. 3 EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK

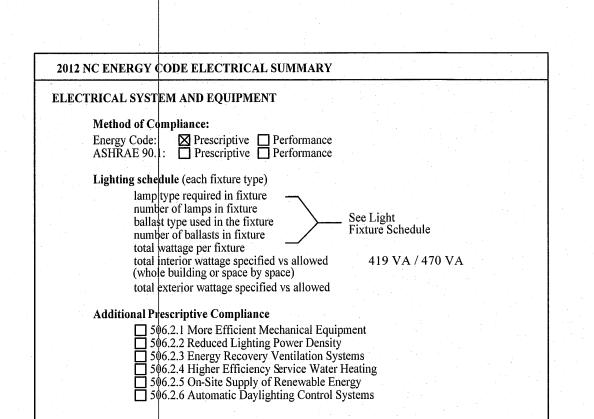
ELECTRICAL CLEARANCES

ELECTRICAL LEGEND

A	LIGHT FIXTURE: LETTER DENOTES TYPE OF LIGHT FIXTURE (REFER TO LIGHTING PLAN AND FIXTURE SCHEDULE).
WP/GFI	DUPLEX RECEPTACLE — 120V; MOUNT 18" TO CENTER AFF UNLESS NOTED OTHERWISE; 'WP' INDICATES WEATHER PROOF, 'GFI' INDICATES GROUND FAULT CURRENT INTERRUPT PROTECTED.
	QUADRAPLEX RECEPTACLE — 120V
S	LIGHT SWITCH
S _M	LIGHT SWITCH WITH KEY OPERATION. PROVIDE AN INDICATOR LIGHT TO SHOW LIGHTS ON. PROVIDE LABEL.
(S)	MOTOR RATED SWITCH
	JUNCTION BOX
	SINGLE-POLE HOMERUN TO PANELBOARD
	TWO-POLE OR 3-POLE HOMERUN TO PANELBOARD
	BRANCH CIRCUIT WIRING
	SWTCH LEG
+- 1	GROUND CONNECTION
PANEL A	DISTRIBUTION PANELBOARD
	DISCONNECTING MEANS AS REQUIRED BY CODE
PC	EXTERIOR PHOTOCELL (PC)

Alaman	ce Vending E1	IGHTING SCHEDULE *							The same of the sa
MARK	MANUFACTURER	CATALOG NO.	VOLT.	NO.	LAMPS TYPE	S E	BALLAST TYPE	W/ FIXTURE	REMARKS
Α	DAY-BRITE	T132-UNV-1/2-EB-CG4	120	1	T8	32	-		48" STANDARD STRIP, WIRE GUARD
В	CREE	XSPW-A-0-3-M-G-U-T	120	-	LED	25	-	25	LED WALL PACK
C	INDY	L6-45-35-1-G2	120	-	LED	32	-	32	6" LED CAN, IC RATED
D	CASTGUARD	H-15416-96-CLR-CB8-91 W 97 GUARD	120	-	LED	20	-	20	WAREHOUSE SHADE BARN LIGHT. COLOR BY ARCHITECT.
E	HUBBELL	ALF-6LU-5K-BZ	120	-	LED	10.7	-	10.7	EXTERIOR SPOT LIGHT. PROVIDE HYDREL-PSSA PEDESTAL MOUNT WITH CONCRETE BASE
F	HUBBELL	LFS-12LU-N	120	-,	LED	13	-	13	EXTERIOR SPOT LIGHT. PROVIDE HYDREL-PSSA PEDESTAL MOUNT WITH CONCRETE BASE
			14.7.						

- OR APPROVED EQUAL BY DAYBRITE, LITHONIA, CREE. PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES. FOR FLUORESCENT FIXTURES CONTROLLED BY MOTION SENSOR, PROVIDE "PROGRAMMED RAPID START" BALLASTS. CATALOG NUMBERS ARE FOR REFERENCE ONLY, ACTUAL NUMBERS MAY VARY. 'EB' DENOTES ELECTRONIC BALLAST.
- VERIFY FIXTURE HAS INTEGRAL LOCAL DISCONNECTING MEANS PER NEC 410.130 (G) (2011).



CONSTRUCTION DOCUMENTS

DESIGN Engineers

\(\sigma \forall CILITIE:



DRAV ELE(DET

ALAMANCE VENDING E 1-85 ARE/

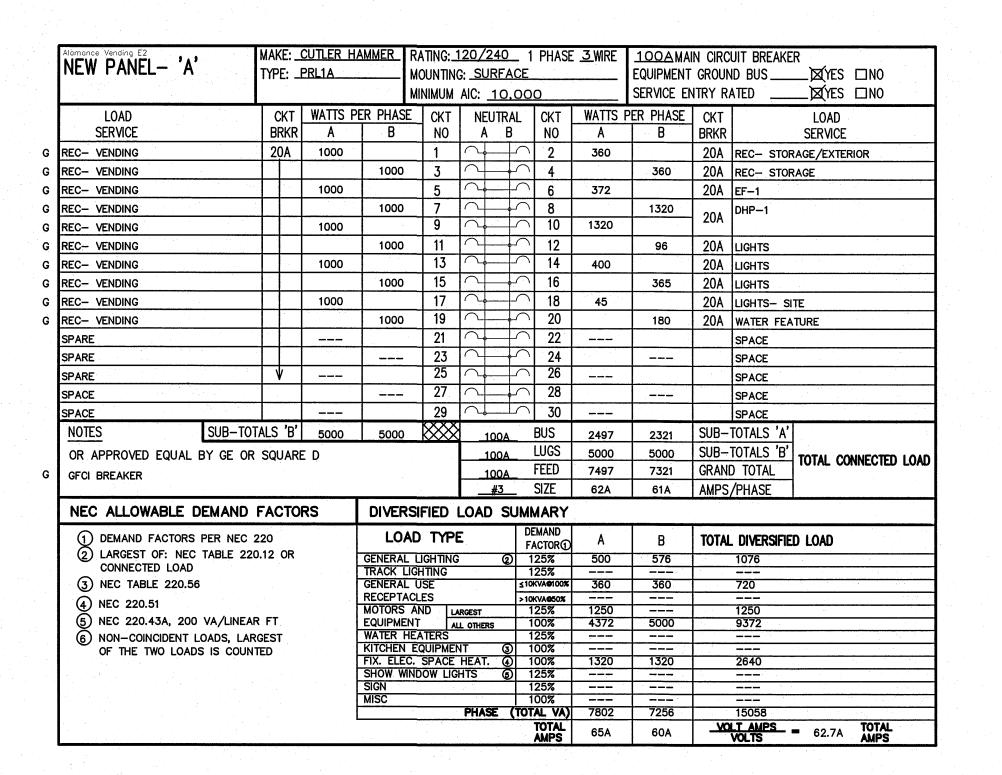
R SCO ID NO. | 14-11287-01A TIP PROJ. NO.

WBS NO. 3707.3.23 FEDERAL ID NO. ASSET NUMBER:
CO.# SITE.# BLDG.# 01 = 013 = X REVISIONS

NO. DATE

DATE ISSUED: 4-23-15

DRAWN BY: BEB CHECKED BY: BEB SHEET NO.

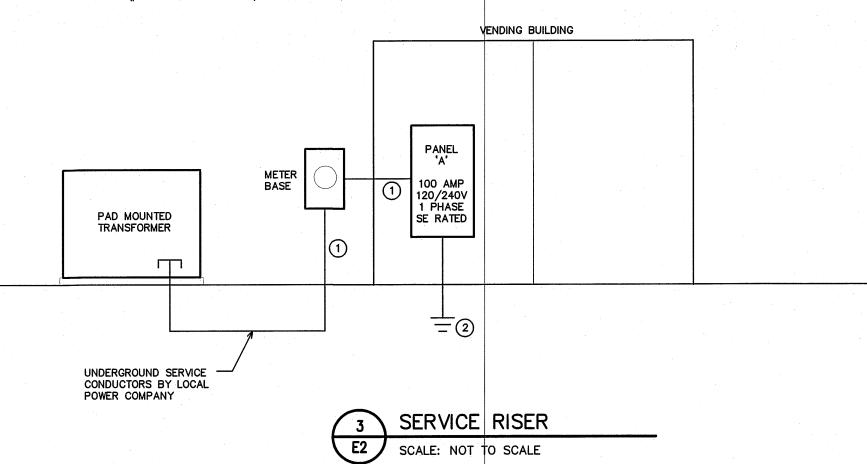


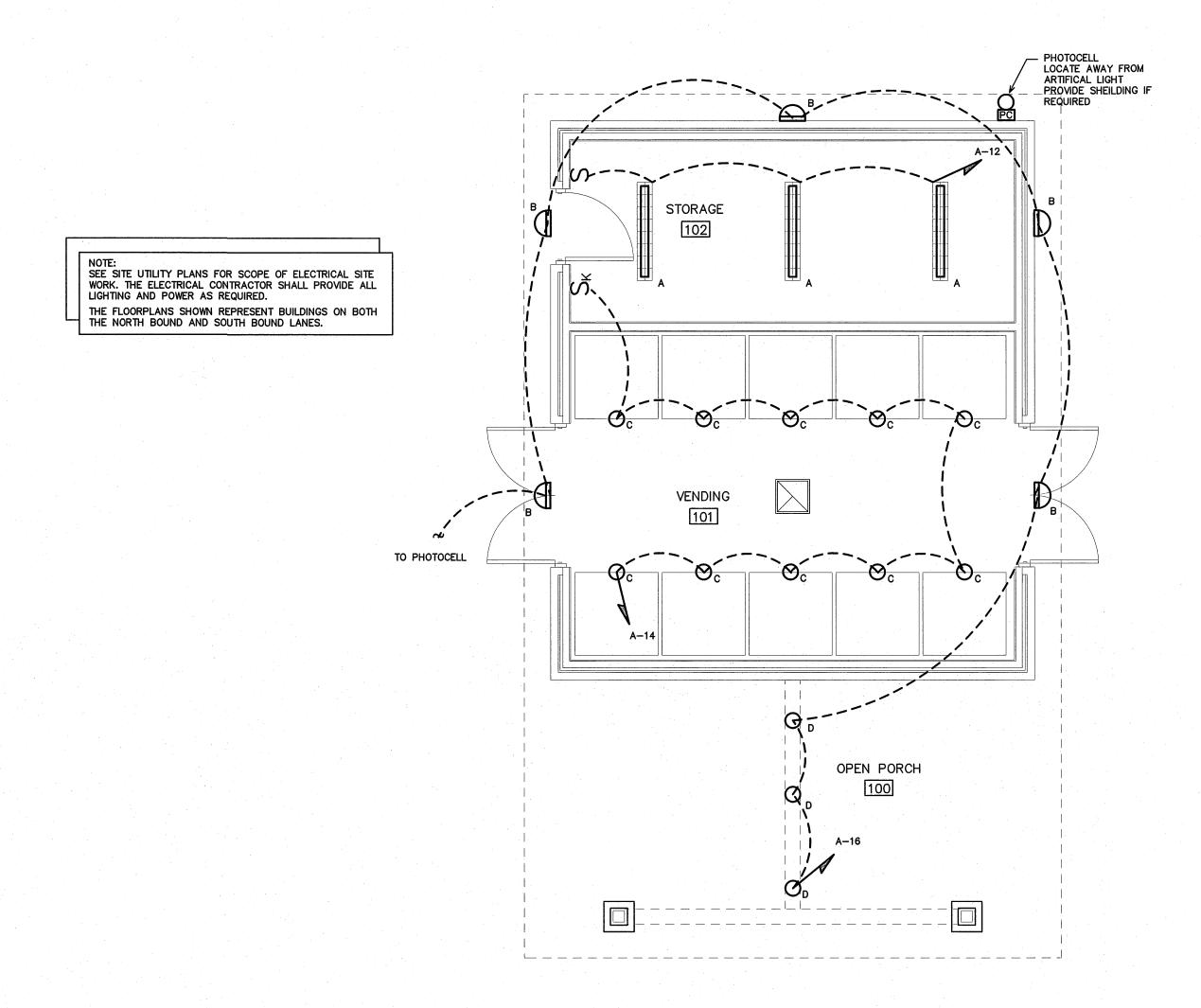


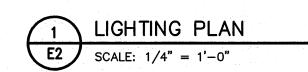
1) 100A: 3-#3 IN 1" CONDUIT

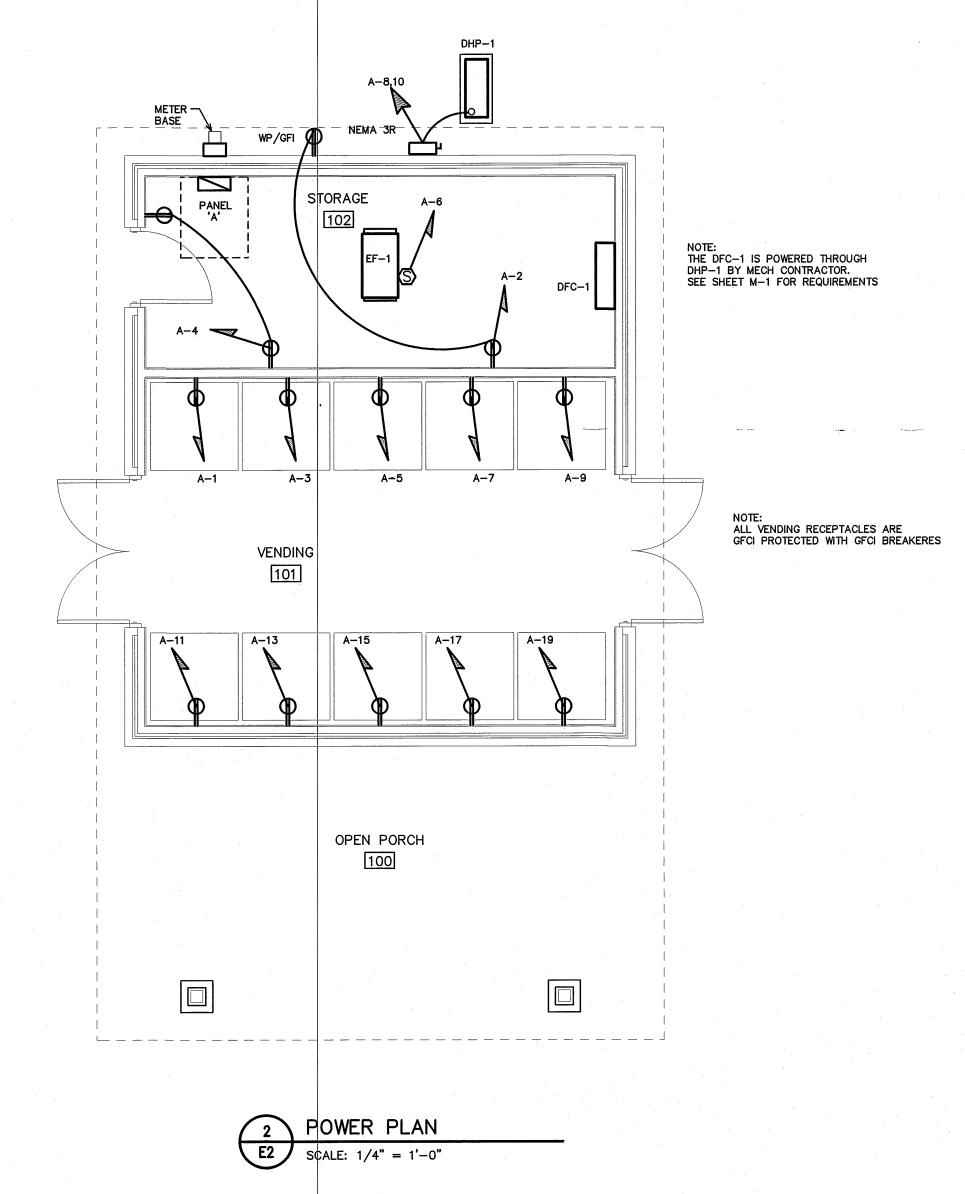
#6CU GND TO BUILDING STEEL, FOUNDATION STEEL AND METALLIC WATER MAIN AND #6 CU GND TO 10' X 3/4" DRIVEN GROUND ROD

VERIFY AVAILABLE FAULT CURRENT AT SERVICE LOCATION WITH LOCAL POWER COMPANY. PROVIDE INFORMATION TO ENGINEER TO CALCULATE MINIMUM PANEL AIC RATING PRIOR TO RELEASING GEAR. AIC RATING ON PANELS ARE FOR PERMIT REVIEW AND PRICING ONLY. EC SHALL PROVIDE LABELING INDICATING FAULT CURRENT AT SERVICE ENTRY AND ON ALL PANELS PRIOR TO CO.









CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS

SEAL

CONSTRUCTION DOCUMENTS

SEAL

CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUM

FACHITECTS & ENGINEERS FACILITIES MANAGEMENT DIVISION, NCDOT 1 SOUTH WILMINGTON STREET RALEIGH, NORTH CAROLINA 27601



BURKE DESIGN GROUP, PB CONSULTING ENGINEERS
3305-109 Durham Drive
Raleigh, North Carolina 27603
919.771.1916 fax: 919.779.0826
email: benburke@nc.rr.com
Corp. License # C-2652

DRAWING TITLE / DESCRIPTION:
ELECTRICAL
PLANS

JECT TITLE:
40/1-85 ALAMANCE COUNTY
EST AREA VENDING BUILDINGS

SCO ID NO. 14-11287-01A

TIP PROJ. NO.
WBS NO. 3707.3.23

FEDERAL ID NO.
ASSET NUMBER:

CO.# SITE.# BLDG.#

ASSET NUMBER:

CO.# SITE.# BLDG.

O1 = O13 = X

REVISIONS

NO. | DATE

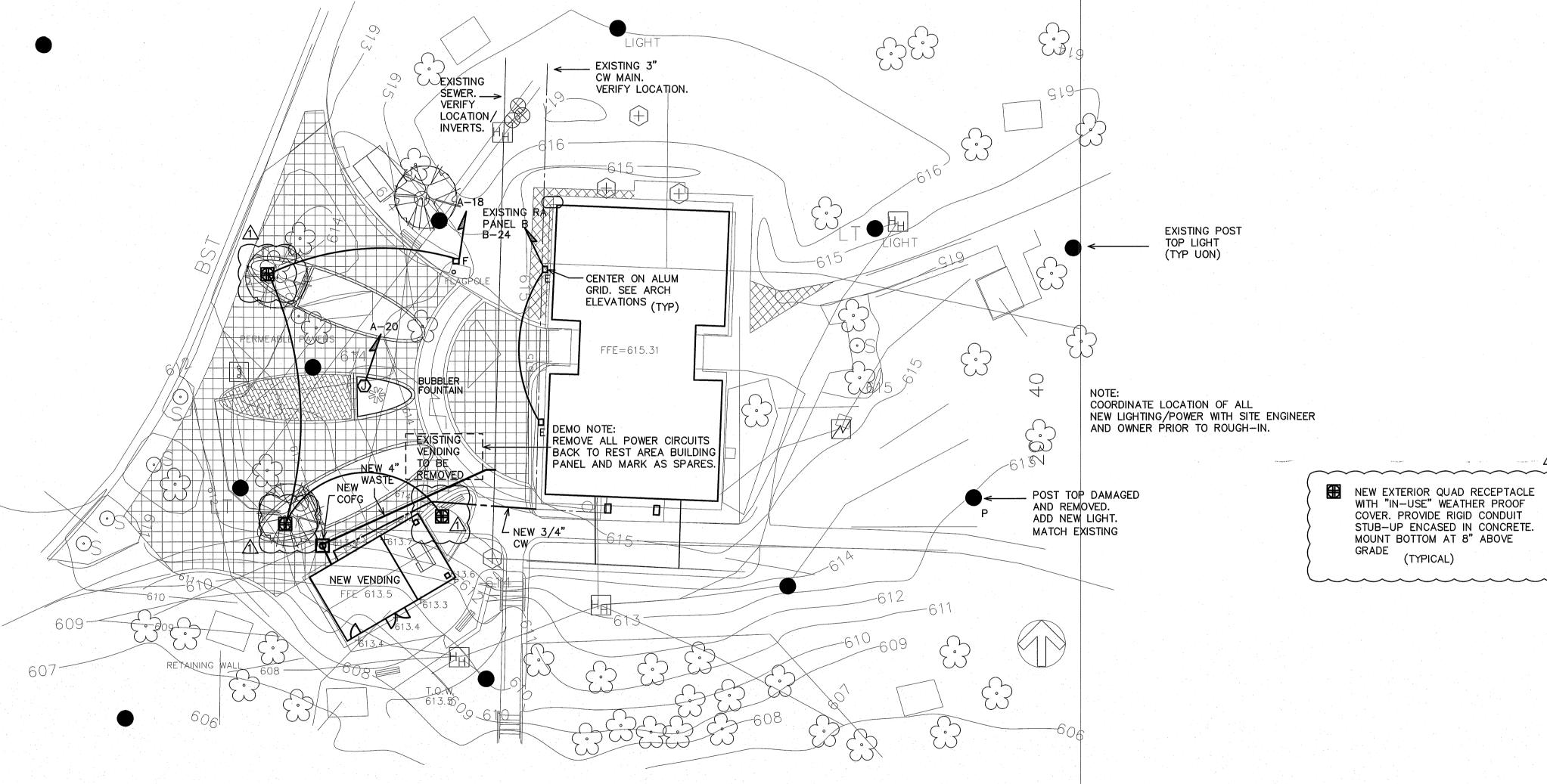
DATE ISSUED: 4-23-15
DRAWN BY: BEB
CHECKED BY: BEB

SHEET NO.

E2

SITE LIGHTING MUST REMAIN OPERABLE THROUGHOUT CONSTRUCTION.

. . P*#1



1 NBL UTILITY PLAN

U1 SCALE: 1" = 20'

-85 ALAMANCE COUNTY AREA VENDING BUILDINGS 1-40, REST

DRAWING TITLE , NBL UTILITY PLAN

CONSTRUCTION DOCUMENTS

CILITIES DESIGN CHITECTS & ENGINEERS THES MANAGEMENT DIVISION, NCDOT

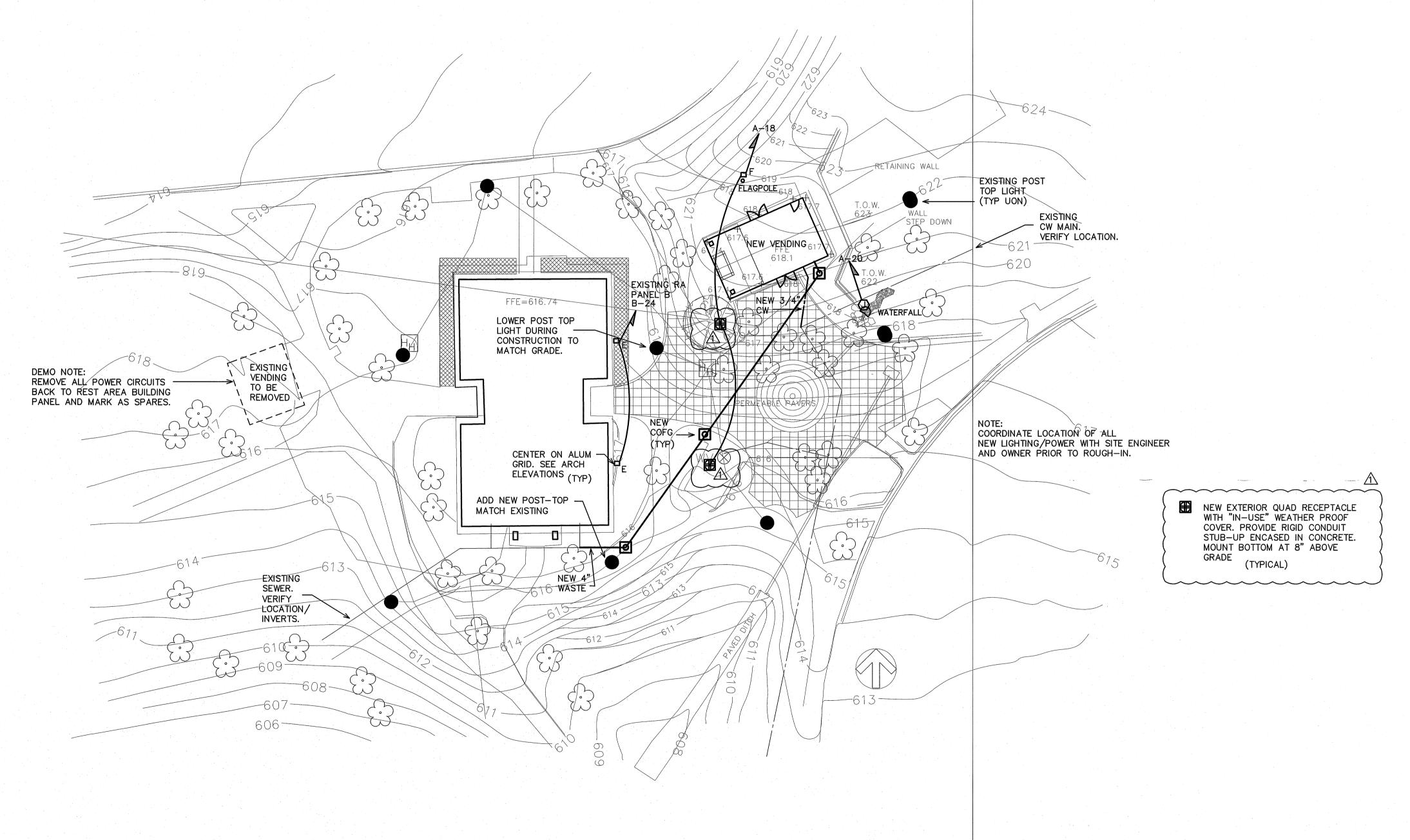
SCO ID NO. 14-11287-01A TIP PROJ. NO. WBS NO. 3707.3.23 FEDERAL ID NO.

01 = 013 = X REVISIONS NO. DATE

5/04/15 DATE ISSUED: 4-23-15
DRAWN BY: DS
CHECKED BY: BEB

SHEET NO.

SITE LIGHTING MUST REMAIN OPERABLE THROUGHOUT CONSTRUCTION.



SBL UTILITY PLAN

SCALE: 1" = 20'

CONSTRUCTION DOCUMENTS



ALAMANCE COUNTY VENDING BUILDINGS /I-85 AREA

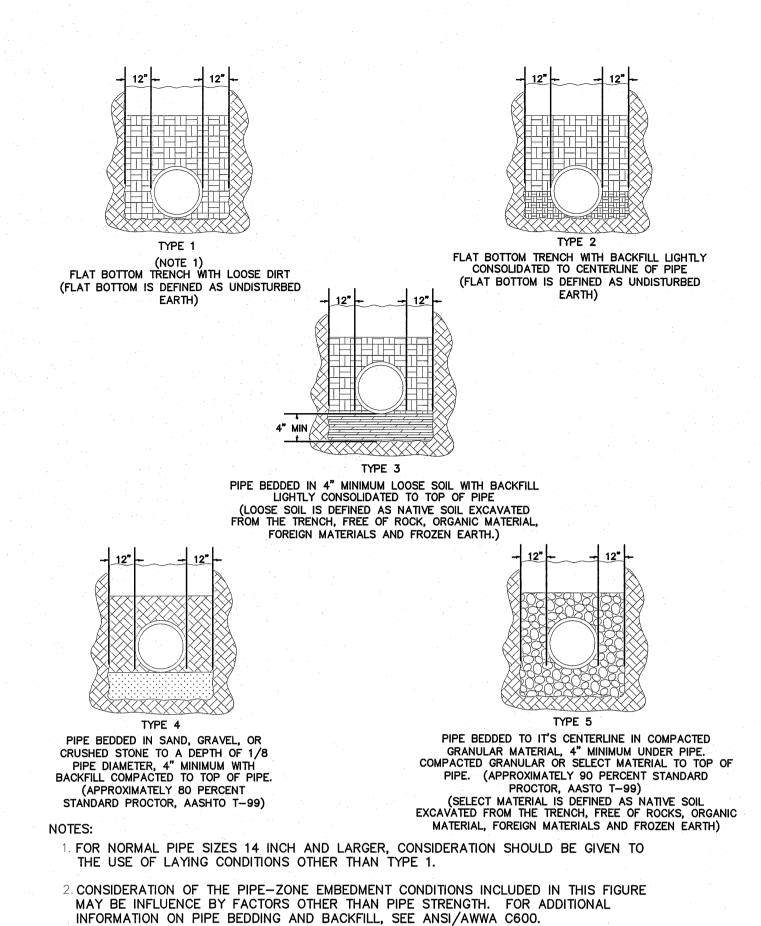
SCO ID NO. 14-11287-01A TIP PROJ. NO. **WBS NO.** 3707.3.23 FEDERAL ID NO.

ASSET NUMBER: CO.# SITE.# BLDG.# 01 = 013 = X REVISIONS NO. | DATE 5/04/15

DATE ISSUED: 4-23-15
DRAWN BY: DS
CHECKED BY: BEB

SHEET NO.

Japania Languaga da Arabia da Arabia



UTILITY SEPARATION NOTES

THE TOP OF SEWER; OR

LATERAL SEPARATION -- IN WHICH CASE:

1) LATERAL SEPARATION OF SEWERS OR WATER MAINS. WATER MAINS SHALL BE LAID AT LEAST TEN (10) FEET LATERALLY FROM EXISTING OR PROPOSED SEWERS, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT A TEN (10) FOOT

A) THE WATER MAIN IS LAID IN A SEPARATE TRENCH, WITH THE ELEVATION ON THE BOTTOM OF THE WATER MAIN AT LEAST EIGHTEEN (18) INCHES ABOVE

B) THE WATER MAIN IS LAID IN THE SAME TRENCH AS THE SEWER WITH THE

2) CROSSING A WATER MAIN OVER A SEWER. WHENEVER NECESSARY FOR A WATER MAIN TO CROSS OVER A SEWER, THE WATER MAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST EIGHTEEN (18)

INCHES ABOVE THE TOP OF THE SEWER, UNLESS LOCAL CONDITIONS OR

FOR A DISTANCE OF TEN (10) FEET ON EACH SIDE OF THE CROSSING.

BARRIERS PREVENT AN EIGHTEEN (18) INCH SEPARATION--IN WHICH CASE, BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF FERROUS

3) CROSSING A WATER MAIN UNDER A SEWER. WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS UNDER A SEWER, BOTH THE WATER MAIN AND THE

SEWER SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS

4) SEWER AND STORMWATER PIPES TO HAVE A MINIMUM OF 24" SEPARATION FROM

MATERIALS AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS

EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF THE (10) FEET ON EACH SIDE OF THE POINT(S) OF CROSSING. A SECTION OF WATER MAIN PIPE

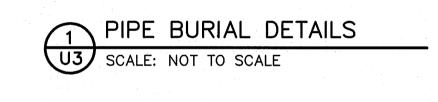
EIGHTEEN (18) INCHES ABOVE THE TOP OF SEWER.

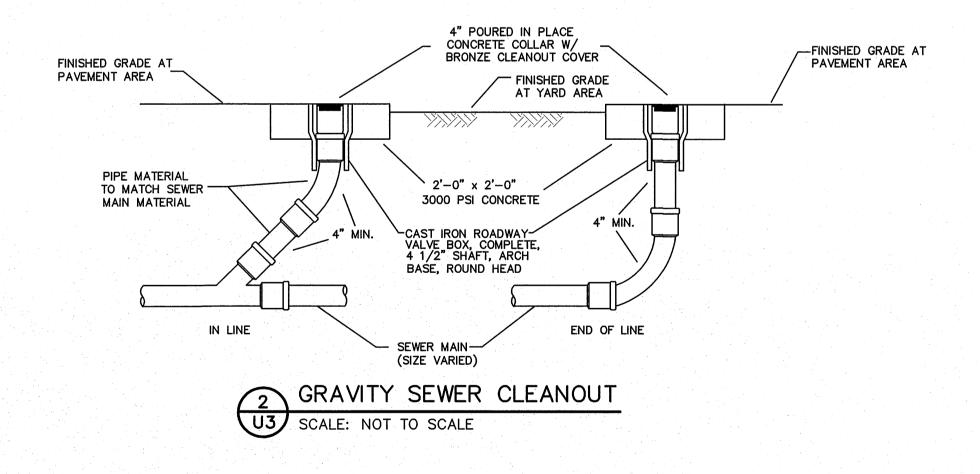
SHALL BE CENTERED AT THE POINT OF CROSSING.

BOTTOM OF STORMWATER PIPE AND TOP OF SEWER PIPE.

WATER MAIN LOCATED AT ONE SIDE ON A BENCH OF UNDISTURBED EARTH,

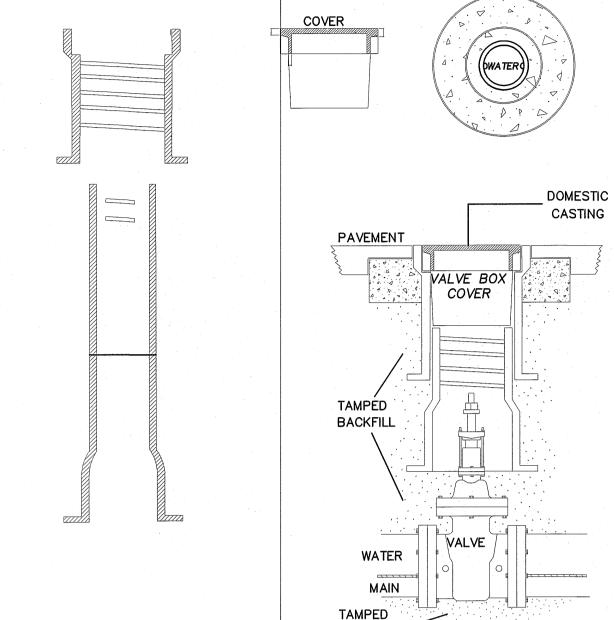
AND WITH THE ELEVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST





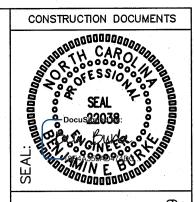
NOTE: CONCRETE VALVE PAD REQUIRED ON ALL VALVES.

APPROVED METHOD FOR EXTENSION OF VALVE BOX



BACKFILL

NOTE: VALVE BOX NOT TO CONTACT WATER MAIN NOR VALVE. ALL TRAFFIC CASTING\$ MUST BE CLASS 35 OR GREATER DOMESTICALLY CAST. VALVE BOX SHALL BE THREADED TYPE.



DESIGN ENGINEERS T NIVISION, NCDOT



DRAWIN UTILIT DETAI

ALAMANCE COUNTY VENDING BUILDINGS

SCO ID NO. |14-11287-01A 3707.3.23 WBS NO. FEDERAL ID NO. ASSET NUMBER:
CO.# SITE.# BLDG.# 01 = 013 = X

DATE NO. **DATE ISSUED:** 4-23-15 DRAWN BY: DS

SHEET NO.

REVISIONS

CHECKED BY: BEB

